

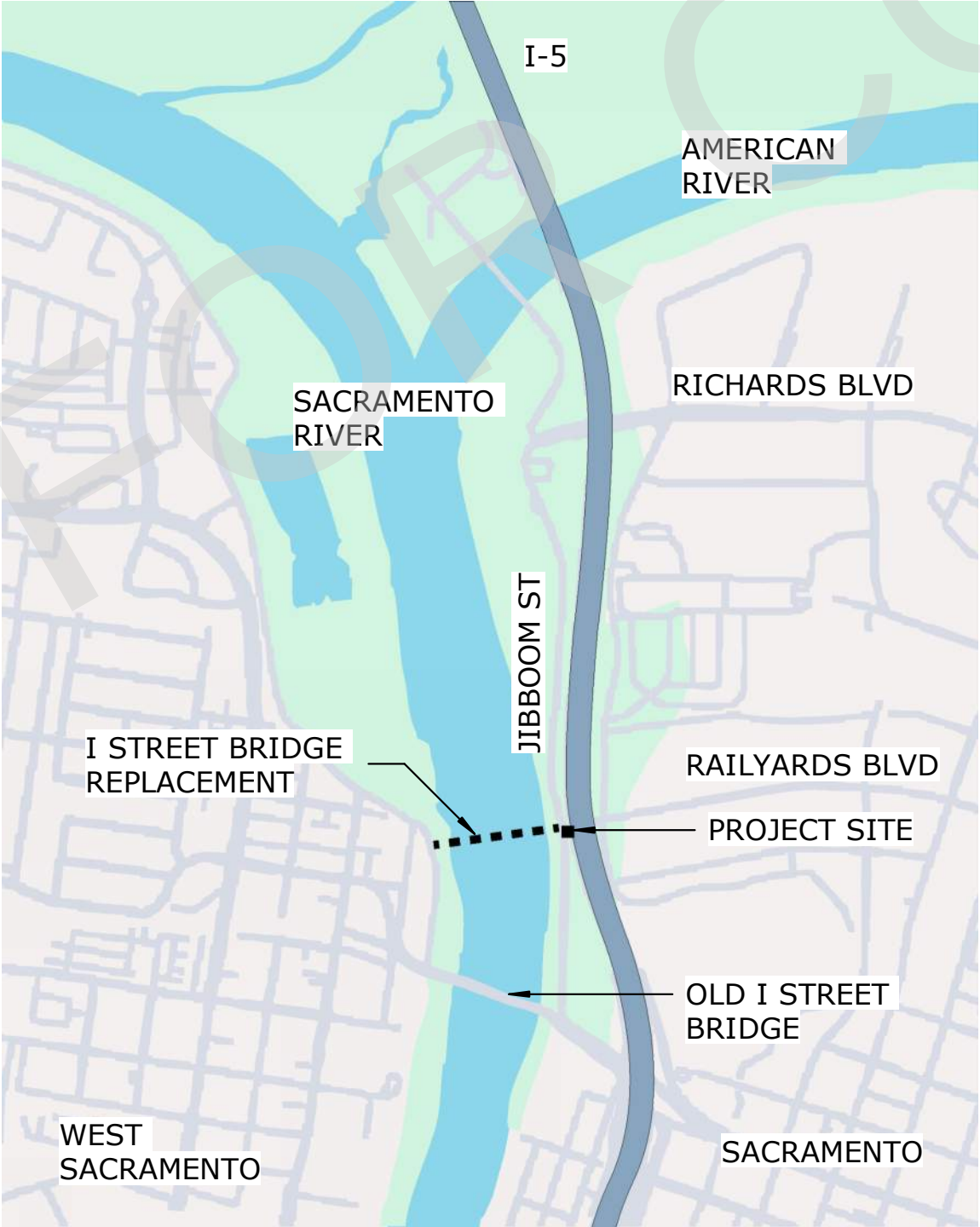
CITY OF SACRAMENTO

I STREET BRIDGE REPLACEMENT OPERATOR HOUSE

OVER SACRAMENTO RIVER



VICINITY MAP



NOT TO SCALE



PROJECT SUMMARY

OWNER: CITY OF SACRAMENTO

PROJECT LOCATION: SOUTH-EAST CORNER OF JIBOOM ST AND RAILYARDS BLVD

PROJECT DESCRIPTION:
THE BRIDGE OPERATOR HOUSE IS THE LOCATION FOR THE BRIDGE LIFT CONTROLS THAT MONITOR AND OPERATE THE MOVEABLE BRIDGE SPAN. THIS SPACE INCLUDES ELECTRICAL, COMMUNICATIONS, AND CONTROLS EQUIPMENT AND IS NOT REGULARLY OCCUPIED. THE BUILDING IS FREQUENTED BY SERVICE PERSONNEL ON AN "AS NEEDED BASIS" FOR MAINTENANCE, SERVICE, AND OVERSIGHT OF BRIDGE OPERATIONS.

TYPE OF CONSTRUCTION: TYPE VB

OCCUPANCY: B,U

BUILDING AREA:
LEVEL 01 = 712 SF

BUILDING ENVELOPE:
EXT. BEARING WALLS = 0 HOUR
EXT. NON-BEARING WALL = 0 HOUR
ROOF = 0 HOUR
PRIMARY STRUCTURE = 0 HOUR
INCIDENTAL/ELECTRICAL ROOM = 1 HOUR

FIRE PROTECTION: 0

PROJECT AREA:
LEVEL 01 = 2,157 SF

CITY PROGRAM #: T15136000
FEDERAL PROJECT #: BRLS-5002(164)

ALL WORK SHALL CONFORM TO THE FOLLOWING CODES:

2022	CBC	CALIFORNIA BUILDING CODE
2022	CEC	CALIFORNIA ELECTRIC CODE
2022	CMC	CALIFORNIA MECHANICAL CODE
2022	CPC	CALIFORNIA PLUMBING CODE
2022	CeNC	CALIFORNIA ENERGY CODE
2022	CFC	CALIFORNIA FIRE CODE
2022	CALGreen	CALIFORNIA GREEN BUILDING STANDARDS CODE
2025		CITY OF SACRAMENTO MUNICIPAL CODE

PROJECT TEAM

CITY OF SACRAMENTO	CIVIL/LANDSCAPE
DEPARTMENT OF PUBLIC WORKS 915 I ST., 2ND FLOOR SACRAMENTO, CA 95814 CONTACT: PHILIP VULLIET PHONE: (916) 808-5092 EMAIL: PVULLIET@CITYOFSACRAMENTO.ORG	MARK THOMAS 701 UNIVERSITY AVENUE SUITE 200 SACRAMENTO, CA 95825 CONTACT: KIRA CASELLI PHONE: (916) 381-9100 EMAIL: KCASELLI@MARKTHOMAS.COM
ARCHITECTURAL	MECHANICAL/PLUMBING
DREYFUSS & BLACKFORD ARCHITECTS 3540 FOLSOM BOULEVARD SACRAMENTO, CALIFORNIA 95816 CONTACT: GUS FISCHER PHONE: (916) 453-1234 EMAIL: GFISCHER@DB-ARCH.COM	CAPITAL ENGINEERING 11020 SUN CENTER DRIVE SUITE 100 RANCHO CORDOVA, CA 95670 CONTACT: KEVIN STILLMAN PHONE: (916) 851-3500 EMAIL: KSTILLMAN@CAPITALENGINEERING.COM
STRUCTURAL	ELECTRICAL
SIEGFRIED ENGINEERING 1164 NATIONAL DRIVE SUITE 20 SACRAMENTO, CA 95834 CONTACT: JORI LEMMON PHONE: (916) 520-2777 EMAIL: JLEMMON@SIEGFRIEDENG.COM	THE ENGINEERING ENTERPRISE 1125 HIGH STREET AUBURN, CA 95603 CONTACT: SCOTT WHEELER PHONE: (530) 886-8556 EMAIL: SCOTT@ENGENT.COM

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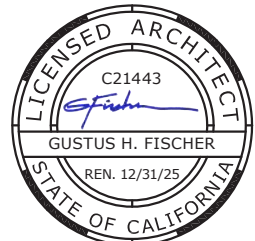
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NO.	REVISIONS DESCRIPTION	DATE	BY

Dreyfuss+
Blackford
architecture

FIELD BOOK
SCALE

CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			
DRAWN BY:JV DATE 10/24/25	DESIGNED BY:JV DATE 10/24/25	CHECKED BY:GF R.L.A.:C21443 DATE 10/24/25	



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I STREET BRIDGE REPLACEMENT OPERATOR HOUSE
OVER SACRAMENTO RIVER
COVER SHEET

T15136000
SHEET
1
OF
593

SYMBOLS

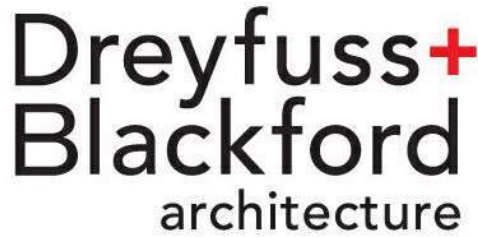
	GRID LINE TYPICAL
	WORK POINT, CONTROL POINT OR DATUM POINT
	ROOM NAME
	ROOM NUMBER
	KEYNOTE TAG - CSI PREFIX SEE NOTES ON SIDE OF SHEET
	DOOR TAG SEE DOOR SCHEDULE SHEET
	WINDOW TAG SEE WINDOW SCHEDULE SHEET
	EQUIPMENT DESIGNATION SEE EQUIPMENT SCHEDULE SHEET
	ACCESSORIES DESIGNATION SEE EQUIPMENT SCHEDULE SHEET
	MILLWORK TYPE TAG
	FINISH MATERIAL TAG
	FINISH MATERIAL TAG (CEILING)
	FINISH MATERIAL TAG (FLOOR)
	SIGNAGE TYPE TAG
	WALL TYPE TAG SEE DETAILS
	REVISION TAG
	DETAIL TAG SEE SHEET INDICATED
	INTERIOR ELEVATION TAG SEE SHEET INDICATED
	SECTION CUT/EXTERIOR ELEVATION TAG SEE SHEET INDICATED

ABBREVIATIONS

#	POUND/NUMBER	FPRF.	FIREPROOF	STL.	STEEL
&	AND	FT.	FOOT/FEET	STOR.	STORAGE
(E)	EXISTING	FTG.	FOOTING	STRUC.	STRUCTURAL
(N)	NEW	FURR.	FURRING	SUSP.	SUSPENDED
<	ANGLE	FUT.	FUTURE	SYM.	SYMMETRICAL
@	AT				
C/L	CENTERLINE	G.B.	GRAB BAR/GRADE BREAK	T.	TREAD
P/L	PLATE/PROPERTY LINE	G.F.R.G.	GLASS FIBER REINFORCED GYPSUM	T.&B.	TOP AND BOTTOM
ø/DIA.	DIAMETER/ROUND	G.I.	GALVANIZED IRON	T.&G.	TONGUE AND GROOVE
A.B.	AGGREGATE BASE	G.A.	GAUGE	T.C.	TOP OF CURB
A.C.	ASHPHALT CONCRETE	GALV.	GALVANIZED	T.O.	TOP OF
A.D.	AREA DRAIN	GL.	GLASS	T.O.F.	TOP OF FRAMING
A.F.F.	ABOVE FINISHED FLOOR	GND.	GROUND	T.O.S.	TOP OF STEEL
ACOUS.	ACOUSTICAL	GR.	GRADE	T.S.	TUBE STEEL
ADJ.	ADJUSTABLE	GYP.	GYPSUM	T.V.	TELEVISION
AHU.	AIR HANDLING UNIT			T.W.	TOP OF WALL
ALUM.	ALUMINUM	H.B.	HOSE BIBB	TEL.	TELEPHONE
APPROX.	APPROXIMATE	H.C.	HOLLOW CORE/ACCESSIBLE CURB RAMP	TER.	TERAZZO
ARCH.	ARCHITECTURAL	H.G.	HARDWARE GROUP	THK.	THICK
ASB.	ASBESTOS	H.M.	HOLLOW METAL	TYP.	TYPICAL
AUTO.	AUTOMATIC	HDWD.	HARDWOOD	U.O.N.	UNLESS OTHERWISE NOTED
		HDWE.	HARDWARE	UR.	URINAL
B.D.F.	BUILDING DISTRIBUTION FACILITY	HORIZ.	HORIZONTAL		
B.F.P.	BACK FLOW PREVENTER	HR.	HOUR	VCT.	VINYL COMPOSITION TILE
BD.	BOARD	HSS.	HOLLOW STEEL SECTION	VERT.	VERTICAL
BIT.	BITUMINOUS	HT.	HEIGHT	VEST.	VESTIBULE
BLDG.	BUILDING			VF	VENDOR FURNISHED
BLK.	BLOCK			VI	VENDOR INSTALLED
BLKG.	BLOCKING	I.D.	INSIDE DIAMETER/DIMENSION		
BM.	BEAM	I.D.F.	INTERMEDIATE DISTRIBUTION FACILITY	W.	WEST
BTM.	BOTTOM	INSUL.	INSULATION	W.C.	WATER CLOSET
BW.	BACK OF WALK	INT.	INTERIOR	W/	WITH
				W/O	WITHOUT
C.B.	CATCH BASIN	JAN.	JANITOR	WD.	WOOD
C.G.	CORNER GUARD	JT.	JOINT	WP.	WATERPROOF/WORK POINT
C.I.	CAST IRON			WSCT.	WAINSCOT
C.I.D.	CLEAR INSIDE DIMENSION	KIT.	KITCHEN	WT.	WEIGHT
C.J.	CONTROL JOINT			XFMR.	TRANSFORMER
C.L.	CENTERLINE				
C.M.U.	CONCRETE MASONRY UNIT	LAB.	LABORATORY		
C.O.	CASED OPENING/CLEAN OUT	LAM.	LAMINATE		
C/L	CENTERLINE	LAV.	LAVATORY		
CAB.	CABINET	LKR.	LOCKER		
CEM.	CEMENT	LT.	LIGHT		
CER.	CERAMIC				
CLG.	CEILING	M.C.	MEDICINE CABINET		
CLKG.	CAULKING	M.O.	MASONRY OPENING		
CLO.	CLOSET	MAX.	MAXIMUM		
CLR.	CLEAR	MDF.	MEDIUM DENSITY FIBERBOARD		
CNTR.	COUNTER	MECH.	MECHANICAL		
COL.	COLUMN	MEMB.	MEMBRANE		
CONC.	CONCRETE	MFR.	MANUFACTURER		
CONN.	CONNECTION	MH.	MANHOLE		
CONSTR.	CONSTRUCTION	MIN.	MINIMUM		
CONT.	CONTINUOUS	MIRR.	MIRROR		
COORD.	COORDINATE	MISC.	MISCELLANEOUS		
CORR.	CORRIDOR	MTD.	MOUNTED		
CPT.	CARPET	MTL.	METAL		
CTSK.	COUNTERSINK	MUL.	MULLION		
		N.	NORTH		
D.F.	DRINKING FOUNTAIN	N.I.C.	NOT IN CONTRACT		
D.O.	DOOR OPENING	N.T.S.	NOT TO SCALE		
D.S.P.	DRY STANDPIPE	NO.	NUMBER		
DBL.	DOUBLE	NOM.	NOMINAL		
DEPT.	DEPARTMENT				
DET.	DETAIL	O.A.	OVERALL		
DIA.	DIAMETER	O.C.	ON CENTER		
DIM.	DIMENSION	O.D.	OUTSIDE DIAMETER/DIMENSION		
DISP.	DISPENSER	O.H.	OVERHEAD		
DN.	DOWN	O/	OVER		
DR.	DOOR	OFF.	OFFICE		
DS.	DOWNSPOUT	OPNG.	OPENING		
DWG.	DRAWING	OPP.	OPPOSITE		
DWR.	DRAWER				
		P.C.	PRECAST		
E.	EACH	P.I.V.	POST INDICATOR VALVE		
E.J.	EXPANSION JOINT	P.M.	PRESSED METAL		
E.P.	ELECTRICAL PANELBOARD	P.O.C.	POINT OF CONNECTION		
E.W.C.	ELECTRIC WATER COOLER	P.T.	PRESSURE TREATED		
EA.	EACH	PL.	PLATE		
EL.	ELEVATION	PLAS.	PLASTER/PLASTIC		
ELEC.	ELECTRICAL	PLYWD.	PLYWOOD		
ELEV.	ELEVATION	PR.	PAIR		
EMER.	EMERGENCY	PT.	POINT		
ENCL.	ENCLOSURE	PTN.	PARTITION		
EQ.	EQUAL				
EQUIP.	EQUIPMENT	Q.T.	QUARRY TILE		
EXIST.	EXISTING				
EXP.	EXPANSION	R.	RISER/RADIUS		
EXT.	EXTERIOR	R.D.	ROOF DRAIN		
		R.O.	ROUGH OPENING		
F.A.	FIRE ALARM	R.W.L.	RAIN WATER LEADER		
F.A.A.N.	FIRE ALARM REMOTE ANNUNCIATOR	REF.	REFRIGERATOR		
F.B.	FLAT BAR	REG.	REGISTER		
F.D.	FLOOR DRAIN	REINF.	REINFORCED		
F.D.C.	FIRE DEPARTMENT CONNECTION	REQD.	REQUIRED		
F.E.	FIRE EXTINGUISHER	RESIL.	RESILIENT		
F.E.C.	FIRE EXTINGUISHER CABINET	RM.	ROOM		
F.F.	FINISH FLOOR	RWD.	REDWOOD		
F.F.E.	FINISH FLOOR ELEVATION				
F.H.	FIRE HYDRANT	S.	SOUTH		
F.H.V.C.	FIRE HOSE VALVE CABINET	S.C.	SOLID CORE		
F.O.	FACE OF	S.S.	STAINLESS STEEL		
F.O.C.	FACE OF CONCRETE/CURB	S.V.	SHEET VINYL		
F.O.F.	FACE OF FINISH	SCHED.	SCHEDULE		
F.O.M.	FACE OF MASONRY	SECT.	SECTION		
F.O.S.	FACE OF STUDS	SH.	SHELF		
F.R.T.	FIRE RETARDANT TREATED	SHT.	SHEET		
F.S.	FULL SIZE	SHWR.	SHOWER		
FDN.	FOUNDATION	SIM.	SIMILAR		
FIN.	FINISH	SMH.	SEWER MANHOLE		
FL.	FLOW LINE	SMS.	SHEET METAL SCREW		
FLASH.	FLASHING	SPEC.	SPECIFICATION		
FLR.	FLOOR	SQ.	SQUARE		
FLUOR.	FLUORESCENT	STA.	STATION		
		STD.	STANDARD		

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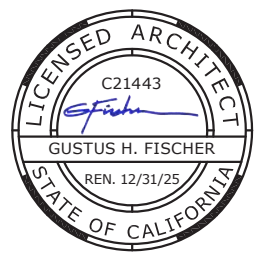


FIELD BOOK

SCALE

CITY OF SACRAMENTO
DEPARTMENT OF PUBLIC WORKS

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SYMBOLS AND ABBREVIATIONS

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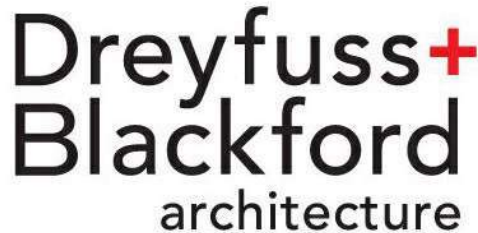
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0A	PROJECT DESCRIPTION:	2022 CODE REFERENCE
	THE BRIDGE OPERATOR HOUSE IS THE LOCATION FOR THE BRIDGE LIFT CONTROLS THAT MONITOR AND OPERATE THE MOVEABLE BRIDGE SPAN. THIS SPACE INCLUDES ELECTRICAL, COMMUNICATIONS, AND CONTROLS EQUIPMENT AND IS NOT REGULARLY OCCUPIED. THE BUILDING IS FREQUENTED BY SERVICE PERSONNEL ON AN "AS NEEDED BASIS" FOR...	
0B	APPLICABLE CODES:	
	2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE 2022 CALIFORNIA BUILDING CODE (CBC) 2022 CALIFORNIA FIRE CODE (CFC) 2022 CALIFORNIA MECHANICAL CODE (CMC) 2022 CALIFORNIA PLUMBING CODE (CPC) 2022 CALIFORNIA ELECTRICAL CODE (CEC) 2022 CALIFORNIA BUILDING ENERGY STANDARDS (CEnc) 2022 CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) 2022 CALIFORNIA REFERENCE STANDARDS CODE 2025 CITY OF SACRAMENTO MUNICIPAL CODE	
	BUILDING OCCUPANCY AND CONSTRUCTION	
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1D	CONSTRUCTION CLASSIFICATION: TYPE V-B	SECTION 602, TABLE 601
1E	ROOF COVERING FIRE CLASSIFICATION REQUIRED: C PROVIDED: A	SECTION 1505
	FIRE SPRINKLER	
2A	AUTOMATIC FIRE SPRINKLER SYSTEM REQUIRED: NO PROVIDED: NO	SECTION 903.2
	LOCATION OF BUILDING ON SITE	
3A	NUMBER OF BUILDINGS ON SITE: 1	SECTION 503.1.2
3B	MINIMUM FRONTAGE/FIRE SEPARATION DISTANCE REQUIRED WITHOUT REQUIRING FIRE RATING AT EXTERIOR WALL: STREET 10'-0" SIDE YARD 10'-0" FRONTAGE DISTANCE PROVIDED: 65'-0"	SECTION 705.5
3C	MINIMUM FIRE RATINGS OF EXTERIOR WALLS REQUIRED: 0-HOUR(S) FIRE RATINGS OF EXTERIOR WALLS PROVIDED: 0-HOUR(S) FRONTAGE FIRE SEPARATION DISTANCE REQUIRED FIRE SEPARATION DISTANCE PROVIDED FIRE RESISTANCE RATING STREET / NORTH 10'-0" 65'-0" 0 SIDE YARD / EAST 10'-0" >10'-0" 0 SIDE YARD / SOUTH 10'-0" >10'-0" 0 PATH / WEST 10'-0" >10'-0" 0	TABLE 601, SECTION 705.5
3D	EXTERIOR OPENING PROTECTION REQUIRED: 0-HOUR(S)	SECTION 705.8.1, EXCEPTION 2
	ALLOWABLE BUILDING SIZE BASED ON CONSTRUCTION TYPE	
4A	BUILDING HEIGHT (STORIES AND HEIGHT): FOR OCCUPANCY: B ALLOWABLE: (SF) PROPOSED: (SF) STORIES 2 HEIGHT 40' 13'-3" FOR OCCUPANCY: U ALLOWABLE: (SF) PROPOSED: (SF) STORIES 1 HEIGHT 40' 13'-3"	SECTION 504.4 SECTION 504.3 TABLE 504.4 TABLE 504.3 TABLE 504.4 TABLE 504.3
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4E	ALLOWABLE BUILDING AREA: FOR MULTI-OCCUPANCY WITH SEPARATED OCCUPANCIES SUM o/ RATIOS <1 FOR MIXED-OCCUPANCY, ONE-STORY BUILDINGS EQ 5-3 OCC. TABULAR ALLOWABLE AREA (Aa) SF FRONTAGE INCREASE (NSxIf) SF STORIES - FOR MULTIPLE STORY BUILDING (Sa) SF ALLOWABLE AREA (Aa) SF B 9,000 4,500 1 13,500 U 5,500 2,750 1 8,250	SECTION 506.2 TABLE 506.2 SECTION 508.4.2 SECTION 506.2.2
4F	FRONTAGE INCREASE FOR ALLOWABLE AREA: Aa=[At+(NSxIf)]	SECTION 506.3 TABLE 506.3.3
4H	PROPOSED BUILDING AREA: OCCUPANCY ENCLOSED SF COVERED SF TOTAL BUILDING AREA B 437 21 458 U 233 21 254 TOTAL 670 42 712	
4I	SUM OF RATIO'S: OCCUPANCY PROPOSED AREA ALLOWABLE AREA RATIO B 458 13,500 0.03 U 254 8,250 0.03 SUM 712 0.06	SECTION 508.4.2
4J	FIRE WALLS N/A	SECTION 706
4K	SPECIAL PROVISIONS FOR HEIGHT/AREA N/A	SECTION 510
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6A	STRUCTURAL MEMBERS: CONSTRUCTION CLASSIFICATION: V-B (HOURS) PRIMARY STRUCTURAL FRAME 0 BEARING WALLS - EXTERIOR 0 BEARING WALLS - INTERIOR 0 NON-BEARING WALLS AND PARTITIONS - EXTERIOR 0 NON-BEARING WALLS AND PARTITIONS - INTERIOR 0 FLOOR CONSTRUCTION AND ASSOC. SECONDARY MEMBERS 0 ROOF CONSTRUCTION AND ASSOCIATED SECONDARY... 0	SECTION 602 TABLE 601 ALSO TABLE 705.5 ALSO TABLE 705.5
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6G	SHAFT ENCLOSURES N/A	SECTION 713
6H	PENETRATIONS N/A	SECTION 714
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6J	FIRE-RESISTANT JOINT SYSTEMS	SECTION 715
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6K	OPENING PROTECTIVES DOORS: 3/4-HOUR WALL ASSEMBLY TYPE WALL ASSEMBLY FIRE RATING DOOR ASSEMBLY FIRE RATING DOOR VISION PANEL SIZE FIRE BARRIERS 1-HR 3/4 HR N/A	SECTION 716 TABLE 716.1(2)
	WINDOWS: N/A	
6L	DUCTS AND AIR TRANSFER OPENINGS	SECTION 717
	SEE MECHANICAL PLANS FOR LOCATIONS OF FIRE, SMOKE, AND COMBINATION... FOR DUCTS THAT PENETRATE FIRE-RESISTANCE RATED ASSEMBLIES WITHOUT DAMPERS, SEE DUCT PENETRATION DETAILS, SHEET: N/A... FOR DUCTS THAT PENETRATE NON-FIRE RESISTANCE RATED ASSEMBLIES AND CONNECTS NOT MORE THAN TWO STORIES, PROTECT ANNULAR SPACE AROUND DUCT WITH AN APPROVED NON-COMBUSTIBLE MATERIAL THAT RESISTS THE FREE PASSAGE OF FLAME AND PRODUCTS OF COMBUSTION	SECTION 717.5 SECTION 717.1.2 SECTION 717.1.2.1 SECTION 717.6.3
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7A	FIRE ALARM SYSTEM REQUIRED: NO PROVIDED: YES MANUAL/AUTOMATIC MANUAL/AUTOMA... TBD	SECTION 907.2

	INTERIOR FINISHES	
8A	WALL AND CEILING FINISH COMPLIANCE FOR NON-SPRINKLERED BUILDING: GROUP INTERIOR EXITS AND EXIT PASSAGEWAYS (CLASS) CORRIDORS AND ENCLOSURES FOR EXIT ACCESS (CLASS) ROOMS AND ENCLOSED SPACES (CLASS) B N/A N/A N/A U N/A N/A NO RESTRICTIONS	SECTION 803 TABLE 803.13
8B	FLOOR FINISH COMPLIANCE GROUP MINIMUM CRITICAL RADIANT FLUX... B II U II	SECTION 804 SECTION 804.4
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9A	OCCUPANT LOAD FACTORS FOR FUNCTION OF SPACES IN PROJECT NON-FIXED SEATING AREAS: FUNCTION OF SPACES OCCUPANT LOAD FACTOR (SF/OCC) BUSINESS 150 GROSS MECHANICAL EQUIPMENT 300 GROSS SEE CODE FLOOR PLANS FOR LOCATIONS AND EXTENTS OF FUNCTIONS	SECTION 1004.5 TABLE 1004.5
9B	DESIGN OCCUPANT LOAD B 3 U 1 TOTAL: 4 SEE CODE FLOOR PLANS FOR BREAKDOWN OF FUNCTION, OCCUPANT LOAD FACTOR, AND DESIGN OCCUPANT LOADS OF INDIVIDUAL SPACES	SECTION 1004.1 TABLE 1004.5
9C	COMPLIANCE WITH MEANS OF EGRESS PROVISIONS AUTOMATIC FIRE SPRINKLER SYSTEM THROUGHOUT: YES/NO (TBD) EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM: NO SPACE ALLOWED EGRESS CAPACITY FACTOR (INCH PER OCCUPANT) STAIRWAYS N/A OTHER EGRESS COMPONENTS 0.2 SEE CODE FLOOR PLANS FOR REQUIRED AND PROVIDED EGRESS CAPACITIES AT SPECIFIC EGRESS COMPONENTS	SECTION 1005 SECTION 1005.3.1 SECTION 1005.3.2
9D	SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY OCCUPANCY OF SPACE MAXIMUM OCCUPANT LOAD OF SPACE COMMON PATH OF EGRESS TRAVEL WITH SPRINKLER SYSTEM (FEET) B 49, 100' U 49, N/A SEE CODE FLOOR PLANS FOR COMMON PATH OF EGRESS TRAVEL DIMENSIONS EXIT AND EXIT ACCESS DOORWAY CONFIGURATION NUMBER OF EXITS NON-SPRINKERED AUTOMATIC FIRE SPRINKLER 2 (ELECTRICAL) NOT LESS THAN 1/2 DIAGONAL NOT LESS THAN 1/3 DIAGONAL	SECTION 1006.2.1 TABLE 1006.2.1 SECTION 1006.2.1, EXCEPTION 3 SECTION 1007
9J	DOOR SIZE MINIMUM DOOR CLEAR OPENING WIDTH: 32" MINIMUM DOOR CLEAR OPENING HEIGHT: 80"	SECTION 1010.1.1
9K	EXIT ACCESS TRAVEL DISTANCE FOR FIRE SPRINKLERED BUILDING: OCCUPANCY DISTANCE (FEET) B 200 U 300	SECTION 1017.2 TABLE 1017.2
	OTHER MISCELLANEOUS PROVISIONS	
10A	PHOTOVOLTAICS & BATTERY SYSTEM N/A	SECTION 140.10(a), TABLE 140.10-A, CEnc
10B	EV-CHARGING N/A	TABLE 5.106.5.3.1, CALGreen
11A	ACCESSIBILITY N/A	SECTION 11B-203.5

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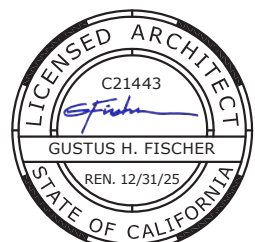
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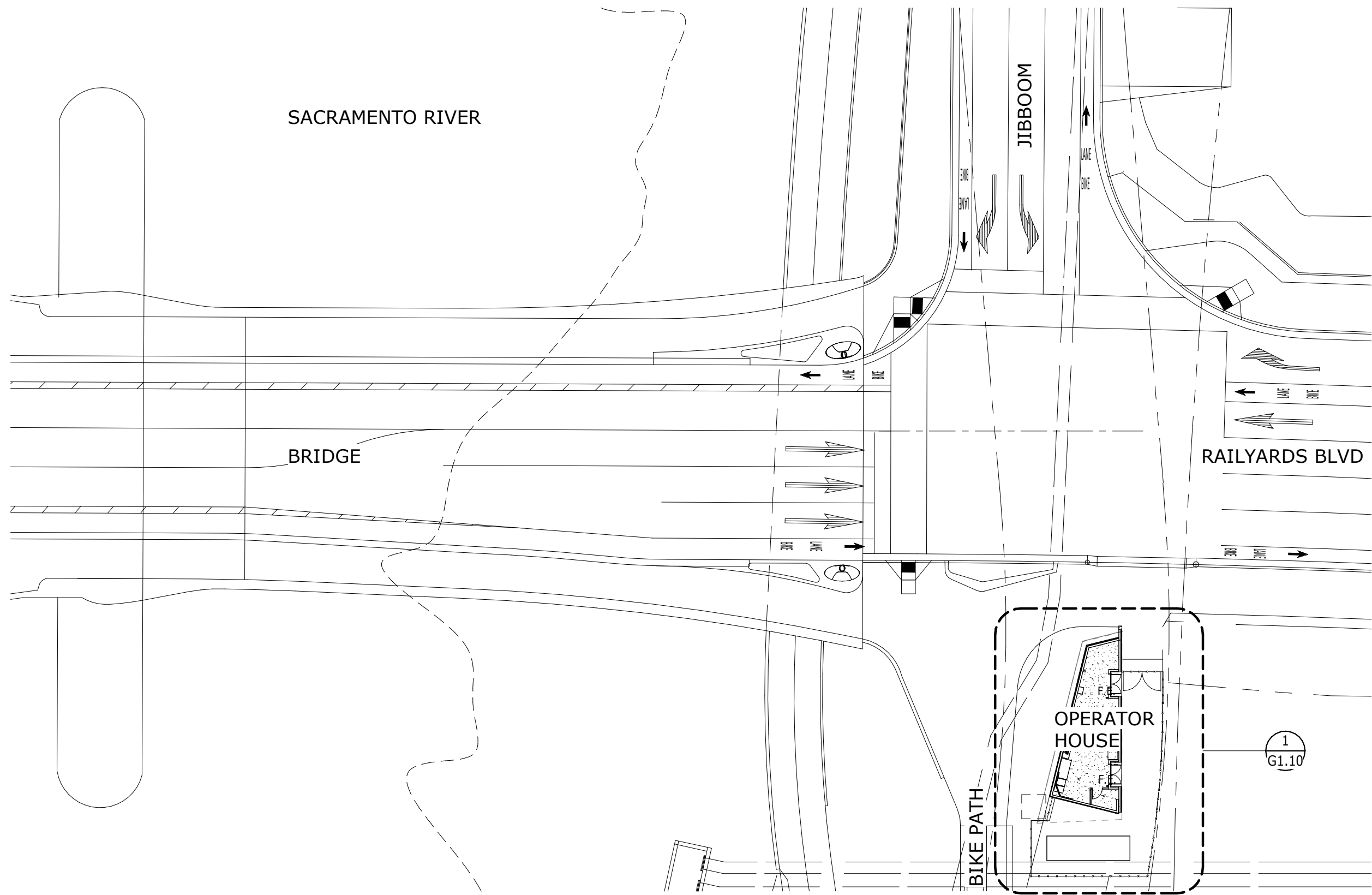
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OVER SACRAMENTO RIVER
CODE COMPLIANCE

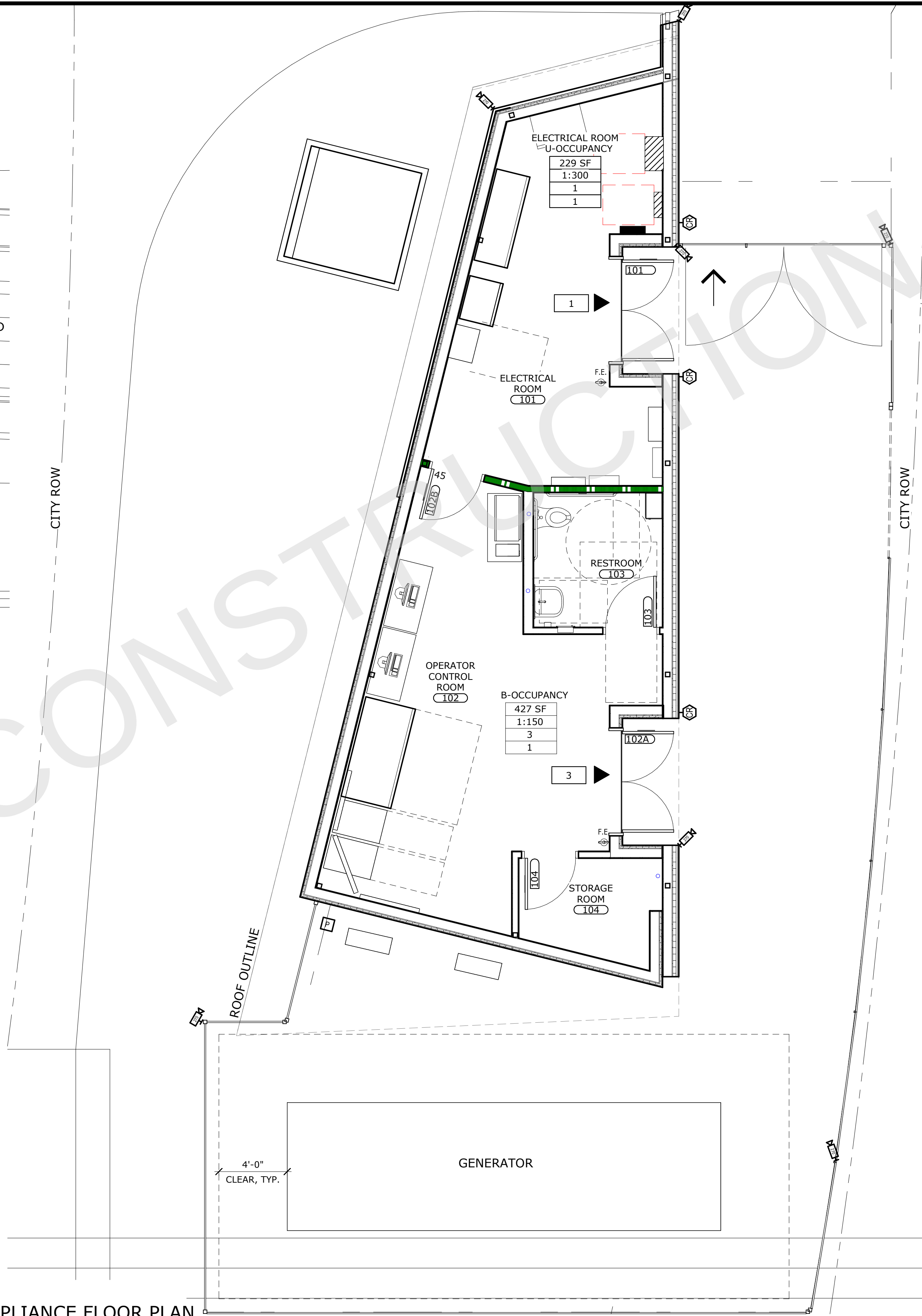
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2 SITE PLAN - OPERATOR HOUSE LOCATION
1/32" = 1'-0" REF 1/A3.01



1 CODE COMPLIANCE FLOOR PLAN
1/4" = 1'-0"

GENERAL NOTES

- FIRE EXTINGUISHERS:**
FOR CLASS A FIRE HAZARDS PER CBC TABLE 906.3(1), THE MAXIMUM FLOOR AREA PER UNIT OF A IS 3,000 SF AND MAXIMUM DISTANCE TO EXTINGUISHER IS 75'.
OR SPECIFIED FIRE EXTINGUISHER TYPE 2A:10B:C WITH 2 UNITS OF A, THE AREA COVERED BY EACH FIRE EXTINGUISHER IS 6,000 SF.
 - FLOOR AREA OF LEVEL 1 IS APPROXIMATELY 712 SF AND UNDER THE MAXIMUM COVERAGE FOR ONE FIRE EXTINGUISHER.
 - THE LOCATION OF THE FIRE EXTINGUISHER IS ALSO UNDER THE 75' MAXIMUM DISTANCE TO ALL AREAS OF LEVEL 1.
- FIRE SEPARATION DISTANCE:**
PER TABLE 705.5, BOTH U & B OCCUPANCIES ARE NOT REQ'D TO HAVE RATED WALLS WHEN THE FSD IS ABOVE 10', WHICH OCCURS ON ALL SIDES.
- OPENING PROTECTION:**
PER SECTION 705.8.1, EXCEPTION 2, UNLIMITED OPENINGS ARE PERMITTED DUE TO THE EXTERIOR WALLS NOT HAVING TO BE RATED.

CODE LEGEND

- | | |
|---------|--|
| 0 | TOTAL NUMBER OF OCCUPANTS ON FLOOR |
| 0 | CUMULATIVE NUMBER OF OCCUPANTS ENTERING A MEANS OF EGRESS |
| 0 | CUMULATIVE OCCUPANT LOAD |
| 0 | NUMBER OF OCCUPANTS ENTERING A MEANS OF EGRESS FROM A SINGLE AREA OR SPACE |
| ▲ | DIRECTION OF EGRESS TRAVEL |
| ➔ | EXIT DISCHARGE |
| Name | |
| 1500 SF | AREA OF ROOM / AREA (SQUARE FEET) |
| 1:100 | OCCUPANT LOAD FACTOR |
| 1 | OCCUPANT LOAD OF AREA OR ROOM |
| 2 | NUMBER OF EXITS REQUIRED |
- F.E.C. F.E. FIRE EXTINGUISHER CABINET (RECESSED/SURFACE MOUNTED) OR FIRE EXTINGUISHER (SURFACE MOUNTED)
- 45 DOOR TAG, INDICATING FIRE PROTECTION RATING IN MINUTES

WALL LEGEND

- WALL LEGEND ORDER DENOTATES PRIORITY FROM LOWEST TO HIGHEST, USED AT ALL INTERSECTIONS.
- | | |
|------|--|
| --- | NON RATED CONSTRUCTION |
| --- | 1 HOUR RATED FIRE BARRIER |
| A300 | WALL TAG, SEE PARTITION DETAILS ON SHEET A9.00 |

OCCUPANCY CLASSIFICATION

OPERATOR CONTROL ROOM: B-OCCUPANCY
ELECTRICAL ROOM: U-OCCUPANCY



NORTH

G1.10

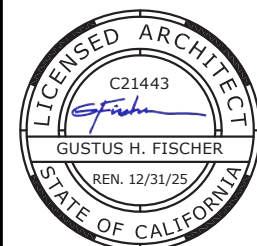
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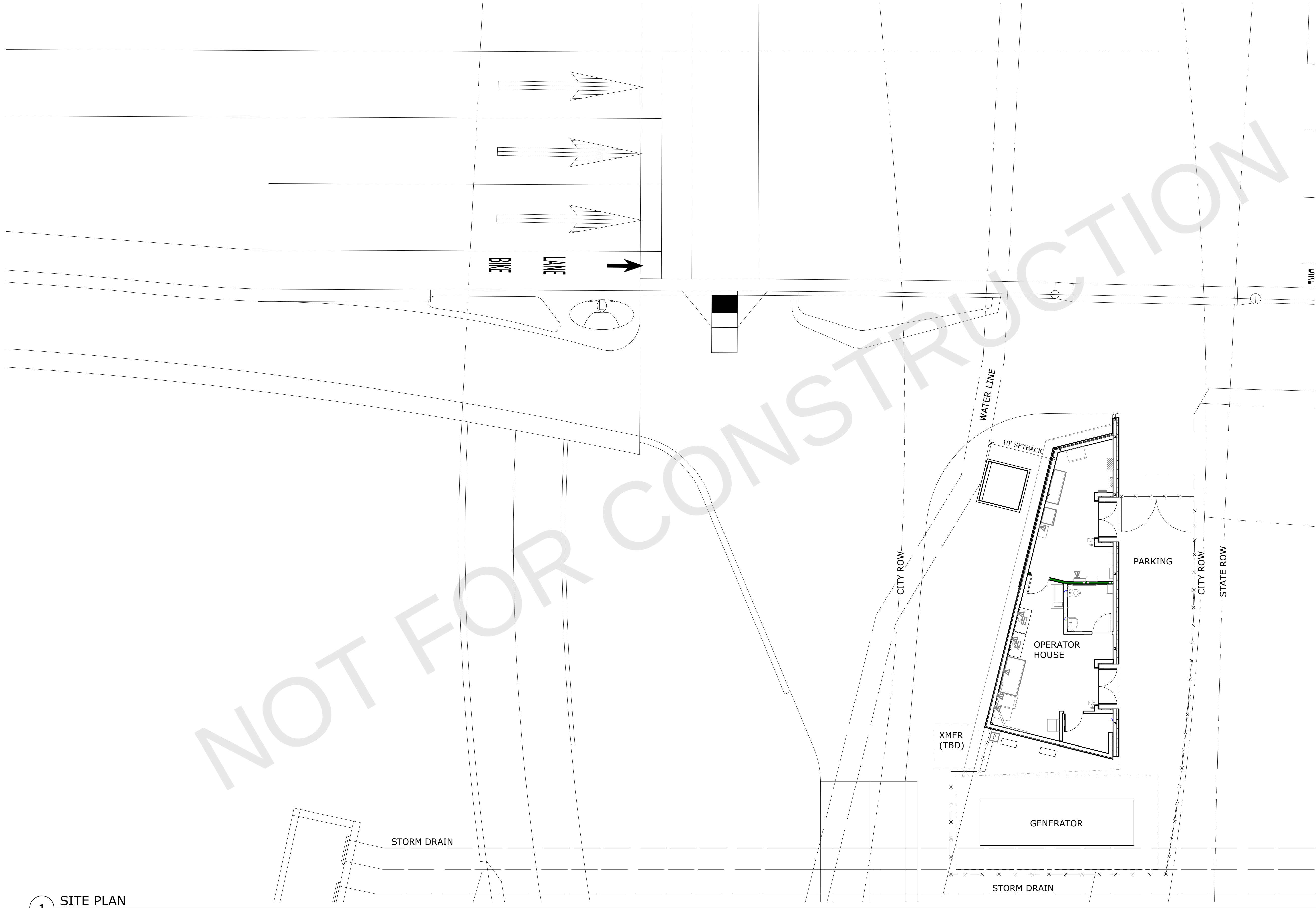


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OVER SACRAMENTO RIVER
OVERALL CODE COMPLIANCE AND EXITING PLAN

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- SITE PLAN NOTES**
1. AT FLATWORK, PROVIDE CONTROL JOINTS AS INDICATED AND EXPANSION JOINTS AT 20'-0" O.C. MAXIMUM, SEE DETAIL X/XX.XX
 2. SEE CIVIL DRAWINGS FOR FULL EXTENT OF SITE WORK IN THIS CONTRACT.

- SITE LEGEND**
- FENCE LINE
 - EXISTING RIGHT OF WAY
 - EXISTING UTILITY LINE

1 SITE PLAN
1/8" = 1'-0"



A1.00

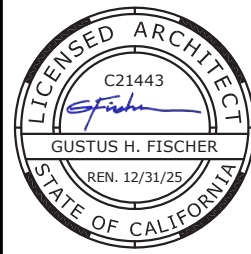
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OVERALL SITE PLAN

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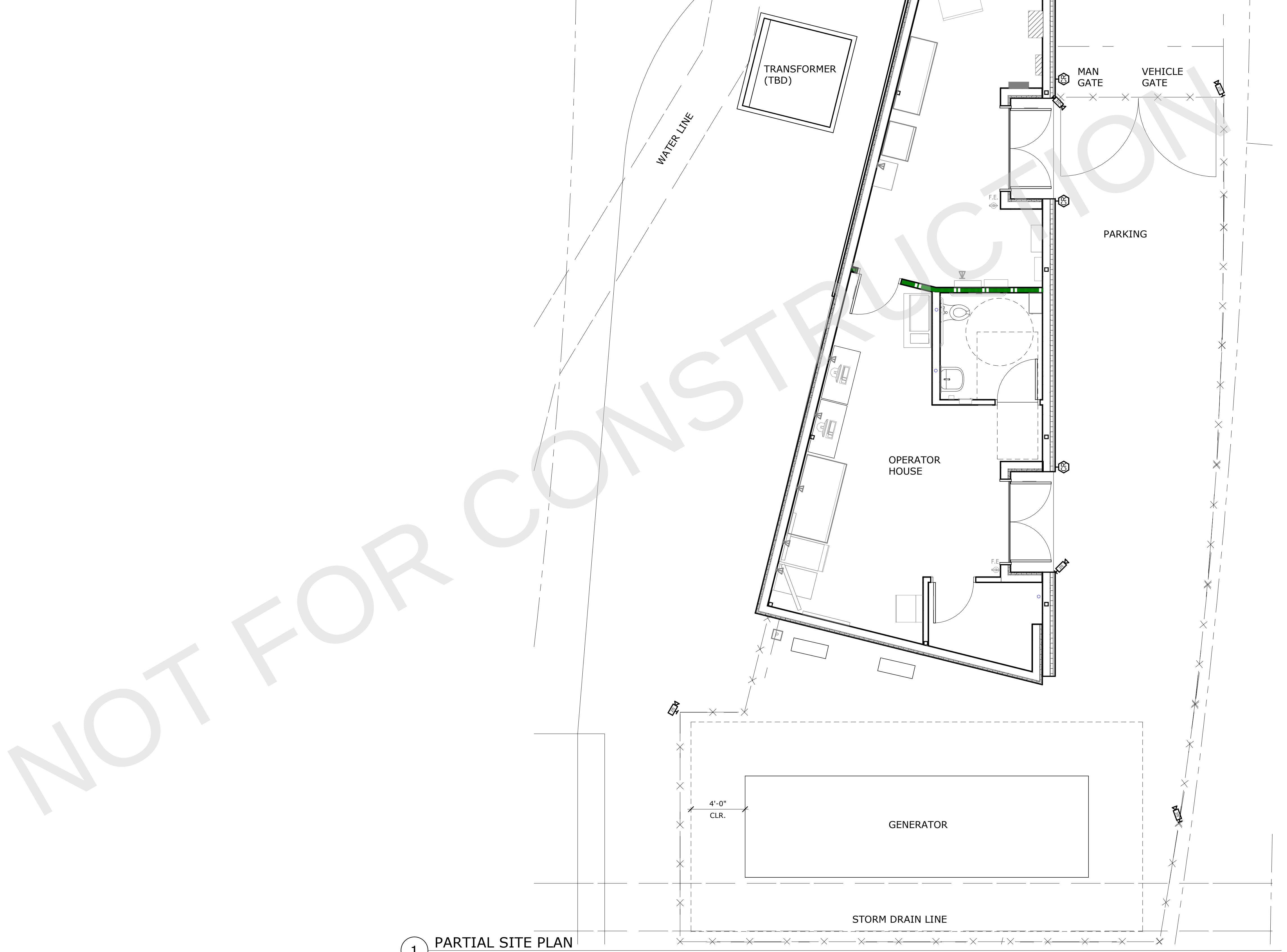
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- 2. SEE CIVIL DRAWINGS FOR FULL EXTENT OF SITE WORK IN THIS CONTRACT.

SITE LEGEND

- FENCE LINE
- EXISTING RIGHT OF WAY
- EXISTING UTILITY LINE

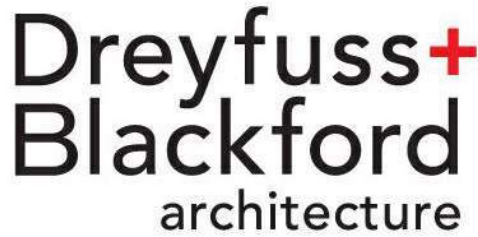


1 PARTIAL SITE PLAN
1/4" = 1'-0"



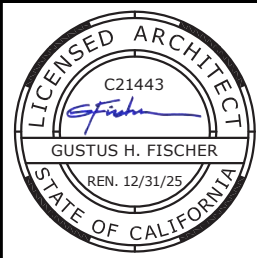
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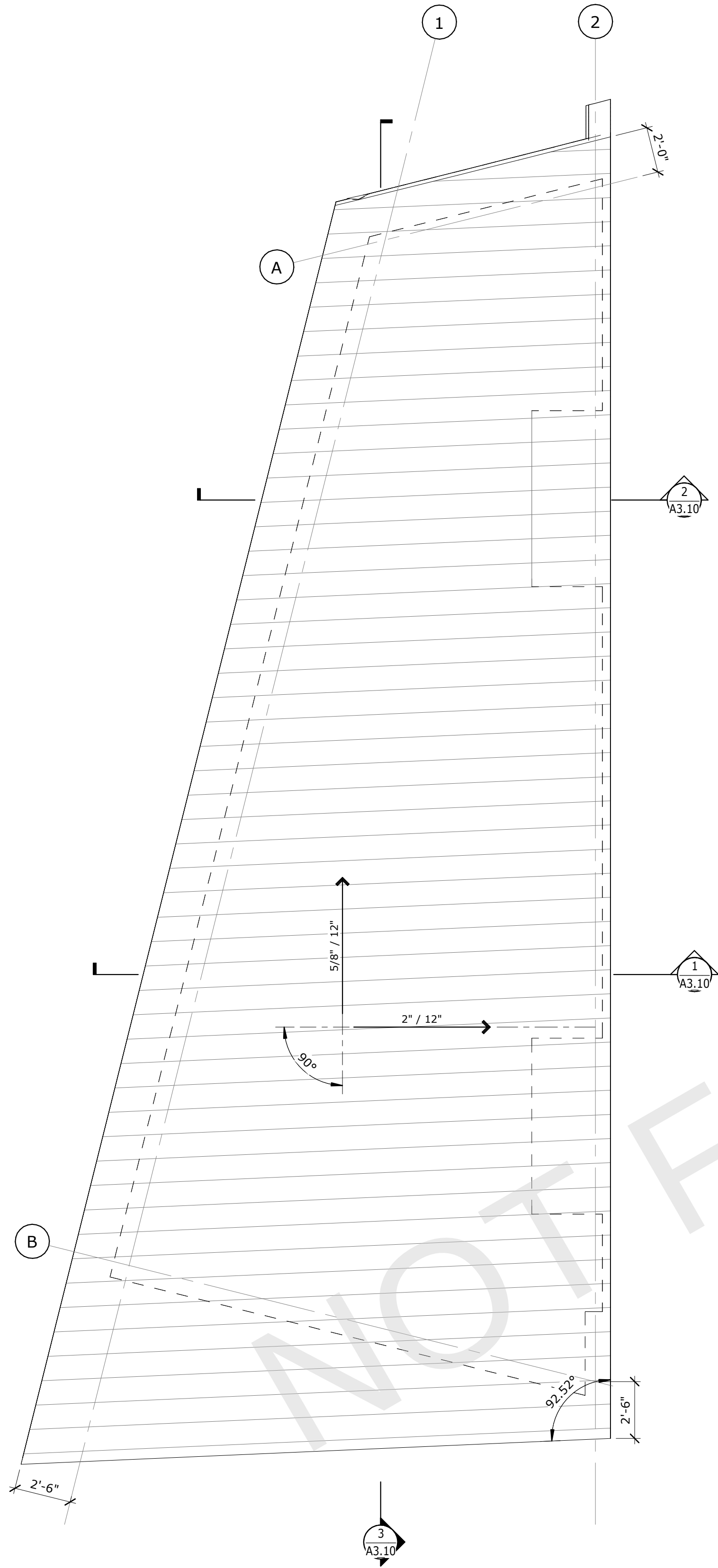


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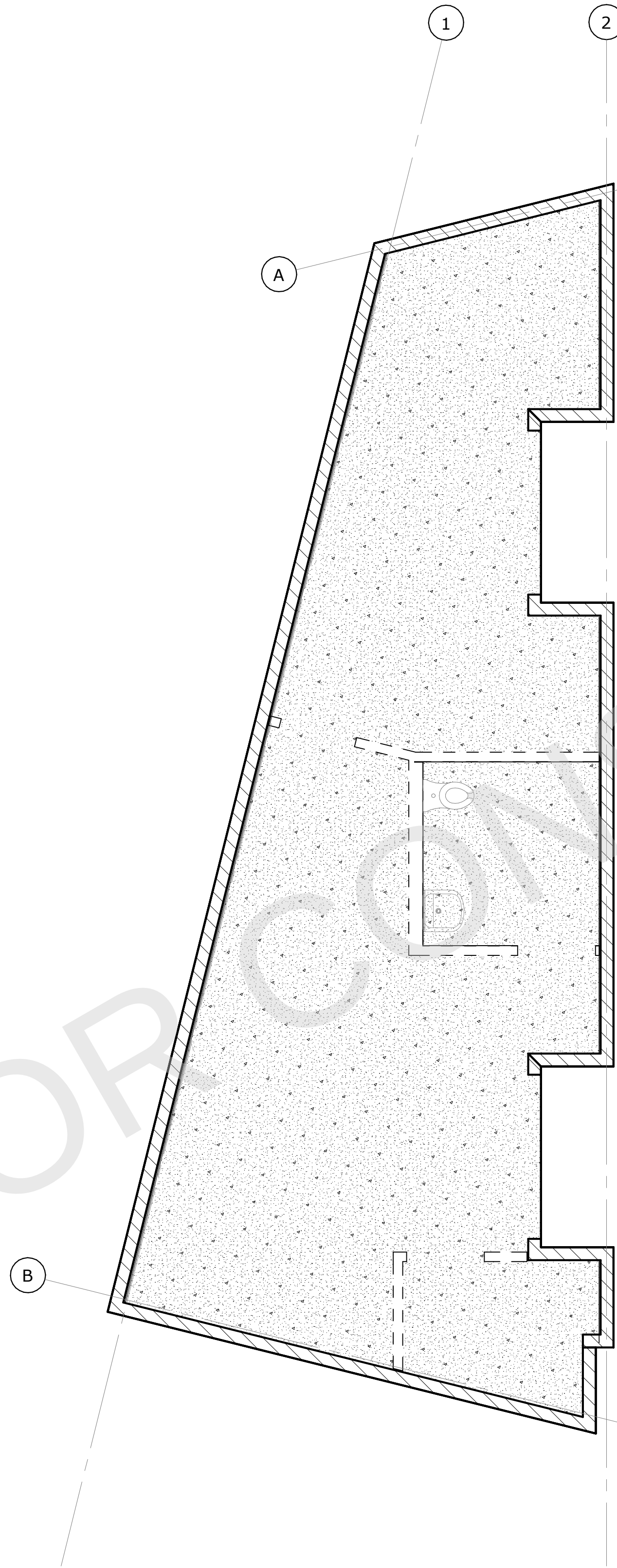
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OVER SACRAMENTO RIVER
PARTIAL SITE PLAN

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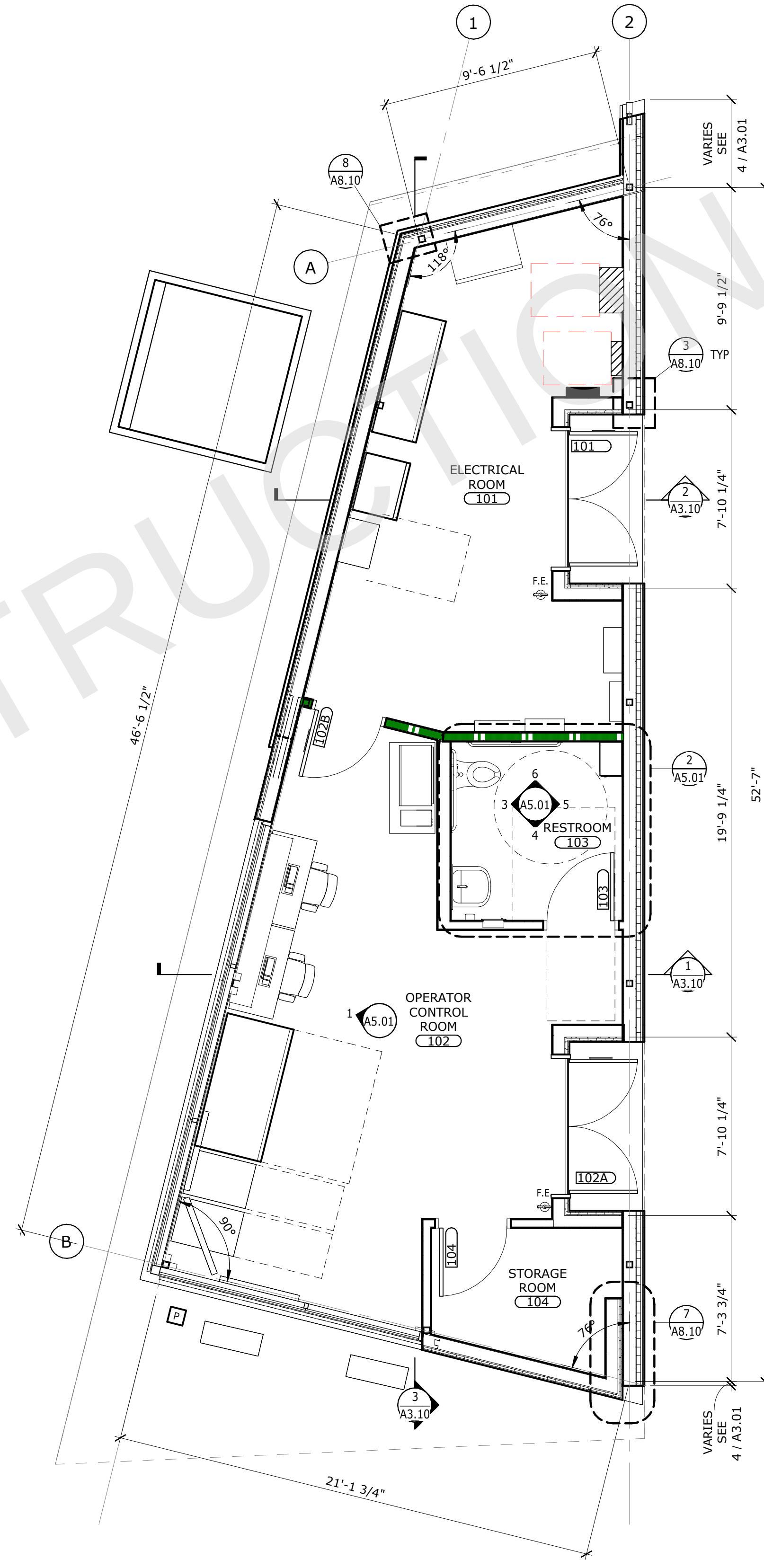
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3 ROOF PLAN
1/4" = 1'-0"



2 SLAB PLAN
1/4" = 1'-0"



1 FLOOR PLAN
1/4" = 1'-0"

GENERAL NOTES

1. ALL DIMENSIONS ARE TO CENTER LINE OF COLUMN OR FACE OF STUD, UNLESS OTHERWISE NOTED.
2. PROVIDE BLOCKING AND SUPPORT AS REQUIRED FOR ALL CASEWORK, HARDWARE AND MISCELLANEOUS EQUIPMENT ATTACHED TO WALLS. SEE DETAIL 2/SS.5
3. PROVIDE INTERIOR SIGNAGE PER SPECIFICATIONS AND SCHEDULE, SEE SHEET A2.70
4. ALL DOORS ADJACENT TO A PERPENDICULAR WALL SHALL BE 4" FROM SUCH WALL TO BUTT FACE OF DOOR FRAME UNLESS NOTED OTHERWISE.
5. PROVIDE RATED ENCLOSURES AROUND ALL OUTLETS, BOXES, PIPING, DUCTWORK ETC. WHEN RECESSED IN FIRE RATED WALLS. ENCLOSURE TO PROVIDE THE SAME RATING AS THE WALL WHERE IT IS LOCATED.
6. OUTLETS IN SOUND PARTITIONS SHALL BE SEPARATED BY A STUD AND SEALED WITH ACOUSTIC PUTTY.
7. SEE SHEET A5.01 FOR ENLARGED FLOOR PLANS.
8. SEE SHEET A2.50 FOR FINISH SCHEDULE AND LEGEND.
9. SEE SHEET A2.40 FOR DOOR SCHEDULE AND FRAME TYPES.
10. SEE SHEET A6.10 FOR REFLECTED CEILING PLANS.
11. SEE SHEET A9.10 AND A9.11 FOR FIRE STOPPING DETAILS

SLAB PLAN GENERAL NOTES

1. FOR TYPICAL PIPE PENETRATION, SEE PLUMBING.
2. ALL SLAB ELEVATIONS ARE 0'-0", UNLESS OTHERWISE NOTED. SEE STRUCTURAL FOR MORE INFORMATION.

ROOF PLAN GENERAL NOTES

1. FOR TYPICAL PIPE PENETRATION, SEE 1/P0.02

WALL LEGEND

WALL LEGEND ORDER DENOTATES PRIORITY FROM LOWEST TO HIGHEST, USED AT ALL INTERSECTIONS.

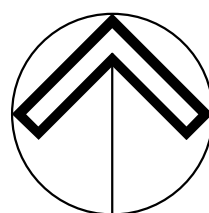
- NON RATED CONSTRUCTION
- 1 HOUR RATED FIRE BARRIER
- WALL TAG, SEE PARTITION DETAILS ON SHEET A9.00

SLAB PLAN LEGEND

- LINE OF SLAB EDGE
- PARTITIONS (FOR REFERENCE)
- 6"H X 6 5/8"W CONCRETE CURB
- SPOT ELEVATION
- FLOOR SLOPE (MAX SHOWN U.O.N)

ROOF PLAN LEGEND

- SPOT ELEVATION
- ROOF SLOPE



NORTH

A2.10

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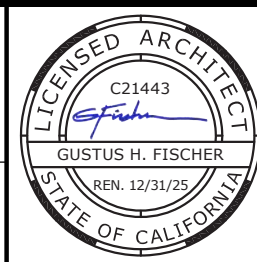
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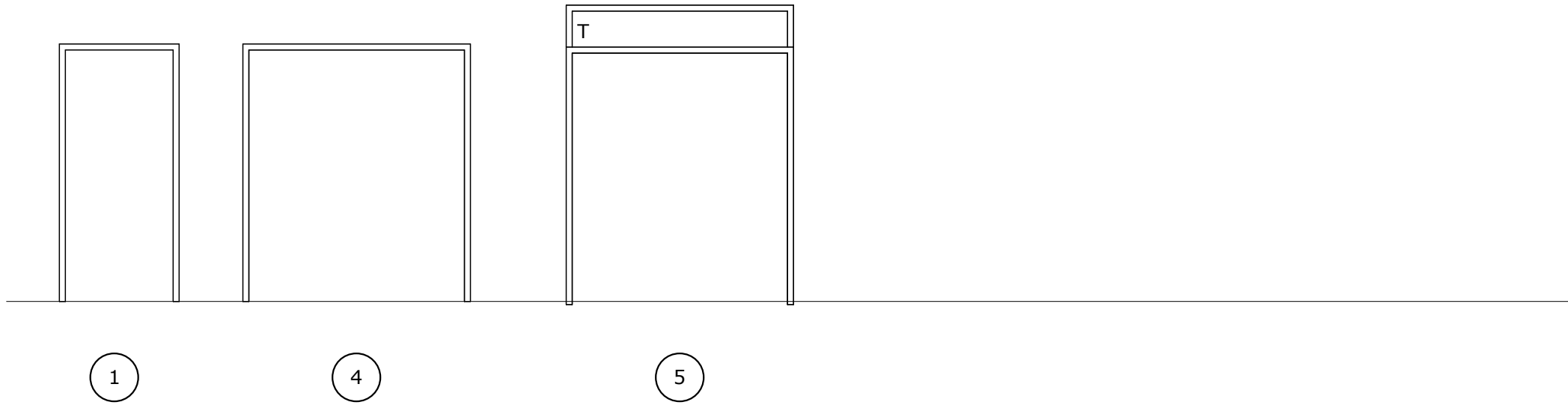
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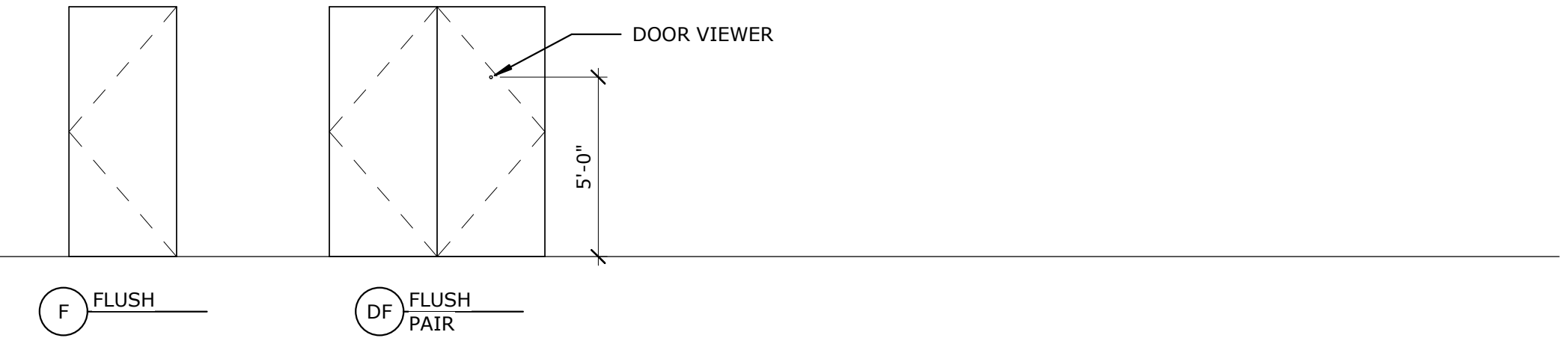
I STREET BRIDGE REPLACEMENT OPERATOR HOUSE
OVER SACRAMENTO RIVER
FLOOR, SLAB & ROOF PLAN

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DOOR TYPES - FRAMES

1/4" = 1'-0"



DOOR TYPES - PANELS

1/4" = 1'-0"

DOOR SCHEDULE																		
MARK	DOOR			TYPE	MATERIAL	FINISH	GLAZING	FRAME			GLAZING	DETAIL REFS.			FIRE RATING	HARDWARE	COMMENTS	
	WIDTH	HEIGHT	THICKNESS					TYPE	MATERIAL	FINISH		HEAD	JAMB	SILL				
101	6' - 0"	7' - 0"	0' - 1 3/4"	DF PAIR	HM			5	HM			2/A8.20	2/A8.20			LOCK, CARD READER, DOOR VIEWER		
102A	6' - 0"	7' - 0"	0' - 1 3/4"	DF PAIR	HM			5	HM			2/A8.20	2/A8.20			LOCK, CARD READER, DOOR VIEWER		
102B	3' - 0"	7' - 0"	0' - 1 3/4"	F	HM			1	HM			2/A9.20	2/A9.20	45 MINS		PASSAGE, DOOR CLOSER		
103	3' - 0"	7' - 0"	0' - 1 3/4"	F	HM			1	HM			2/A9.20	2/A9.20			PRIVACY		
104	3' - 0"	7' - 0"	0' - 1 3/4"	F	HM			1	HM			2/A9.20	2/A9.20			PASSAGE		

DOOR SCHEDULE NOTES

- SEE HARDWARE SPECIFICATIONS SECTION 08 71 00 FOR DOOR HARDWARE
- SEE SPECIFICATION SECTION 10 14 00 AND SHEET A9.70 FOR SIGNAGE
- FIRE RATED DOORS SHALL COMPLY WITH NFPA 80.
- PROVIDE ELECTRICAL POWER TO DOORS AS PER REQUIRED BY HARDWARE SCHEDULED.
- PER CBC CHAPTERS 10 AND 11, ALL EXIT DOORS:
 - SHALL HAVE ALL OPERATING HARDWARE MOUNTED BETWEEN 34" AND 44" ABOVE FINISHED FLOOR.
 - SHALL BE OPERABLE FROM INSIDE WITHOUT SPECIAL KNOWLEDGE OR EFFORT, BOTH THE DEADBOLT AND LATCH MUST RETRACT WITH A SINGLE-HAND MOTION.
 - SHALL HAVE A MINIMUM SIZE OF 36" WIDE AND 80" TALL AND SHALL BE LESS THAN 48" IN WIDTH.
 - SHALL BE CAPABLE OF OPENING A MINIMUM OF 90 DEGREES.
 - SHALL PROVIDE A MINIMUM CLEAR WIDTH OF 32" IN HEIGHT.
 - SHALL HAVE A +10" HIGH SMOOTH UNINTERRUPTED SURFACE AT THE BOTTOM EDGE.
- PROVIDE LEVER HANDLES OPERABLE BY A SINGLE EFFORT WITH NO GRASPING OR TWISTING REQUIRED AT ALL LOCK SETS. LOCKS ON ALL EGRESS DOORS SHALL ALLOW FOR EXITING.
- ALL HARDWARE COMPONENTS SHALL BE FURNISHED WITH STAINLESS STEEL FASTENERS.
- ALL DOORS SHALL BE FACTORY PREPARED FOR HARDWARE INCLUDING INTERNAL BACKING FOR ALL CLOSERS.
- PROVIDE WEATHERSTRIPPING, RAIN DRIPS, AND THRESHOLDS AT ALL EXTERIOR DOORS.
- PROVIDE SMOKE GASKETS AND CLOSERS AT ALL RATED INTERIOR DOORS.
- PROVIDE SILENCERS AT ALL INTERIOR HOLLOW METAL FRAMES.
- WHEN SINGLE KICK PLATE IS SPECIFIED, KICK PLATE TO BE ON INTERIOR ROOM OR PUSH SIDE OF DOOR.
- PAINT FINISH AT DOORS AND FRAMES TO BE PT-X, U.O.N.

DOOR ABBREVIATIONS

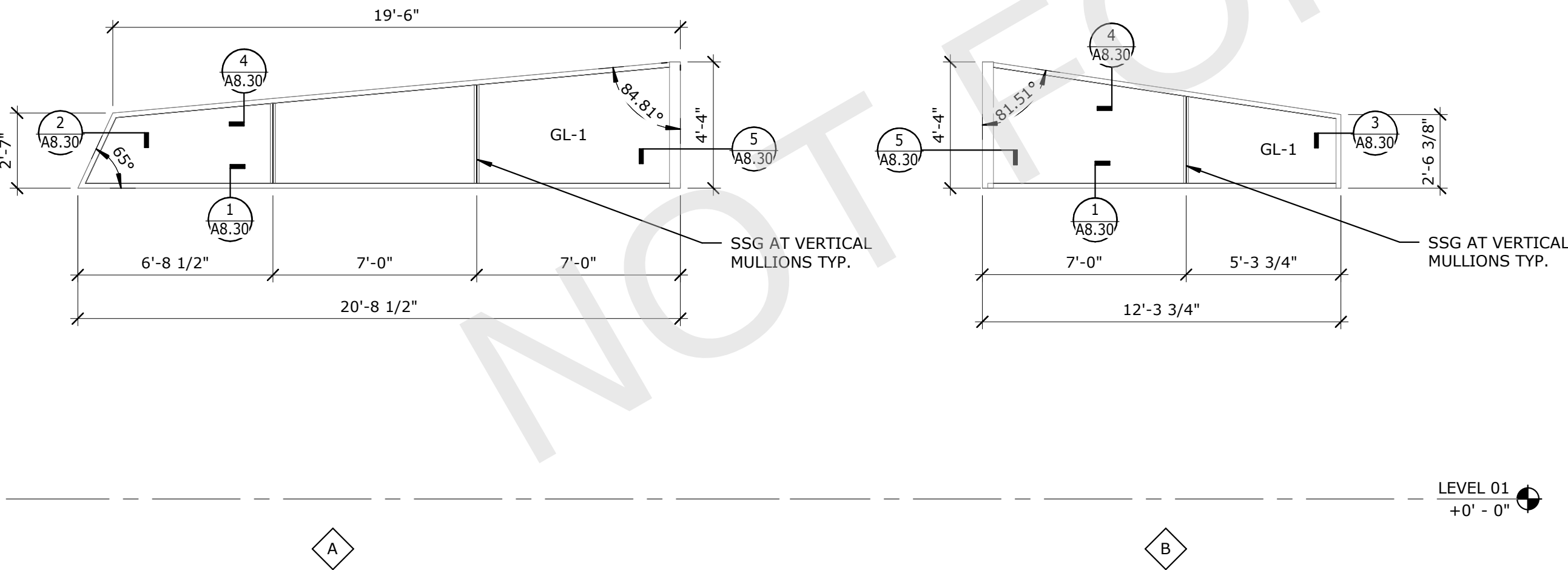
AL	ALUMINUM-FACTORY FINISH
CW	GLAZED CURTAIN WALL SYSTEM
HM	HOLLOW METAL
PAINT	FIELD APPLIED PAINT
PREFIN	FACTORY APPLIED FINISH
SC WD	SOLID CORE WOOD
SF	STOREFRONT WINDOW OR DOOR SYSTEM
STL	STEEL-FACTORY FINISH
T	TEMPERED GLAZING

GLAZING TYPES

GL-1 CLEAR INSULATED GLAZING

ABBREVIATIONS:

T	SAFETY GLASS
SSG	STRUCTURAL SILICONE GLAZING

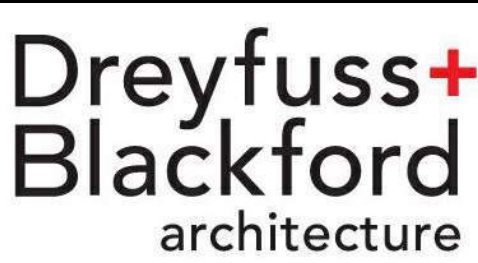


STOREFRONT TYPES

1/4" = 1'-0"

A2.40

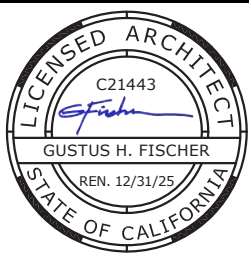
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I STREET BRIDGE REPLACEMENT OPERATOR HOUSE
OVER SACRAMENTO RIVER
DOOR AND WINDOW SCHEDULE

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FINISH SCHEDULE												
REV.	ROOM		FLOOR FINISH	WALL BASE	WALLS	ACCENT 01	ACCENT 02	ACCENT 03	CEILINGS	MILLWORK	COUNTERTOP	NOTES
	NUMBER	NAME			PRIMARY							
	101	ELECTRICAL ROOM	CON-1	WB-1	PT-1				OPEN			
	102	OPERATOR CONTROL ROOM	CON-1	WB-1	PT-1				OPEN			
	103	RESTROOM	RS-1	RS-1	PT-1				GYP-1			
	104	STORAGE ROOM	CON-1	WB-1	PT-1				OPEN			

03 30 00 CONCRETE

CON-1
03 30 00 SEALED CONCRETE
DESCRIPTION: SEALED CONCRETE

09 65 00 RESILIENT FLOORING

RS-1
09 65 00 RESILIENT SHEET FLOORING
MANUFACTURER: XX
NUMBER: XX
SIZE: XX
COLOR: XX
STYLE: XX
SERIES: XX
NOTES: INTEGRAL COVE BASE

09 65 13 RESILIENT BASE

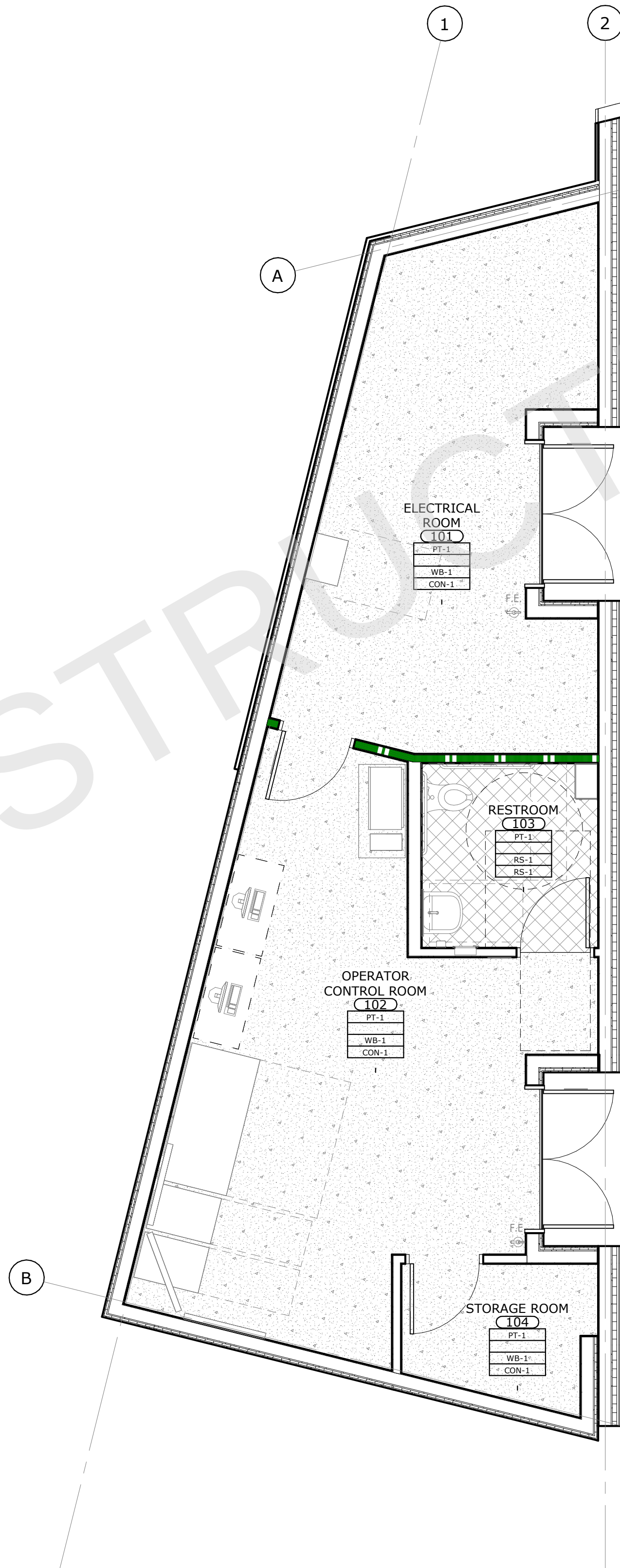
WB-1
09 65 13 RESILIENT WALL BASE
MANUFACTURER: XX
NUMBER: XX
SIZE: XX
COLOR: XX
STYLE: XX
SERIES: XX

09 91 23 INTERIOR PAINTING

PT-1
09 91 23 INTERIOR PAINT
MANUFACTURER: XX
NUMBER: XX
SIZE: XX
COLOR: XX
STYLE: XX
SERIES: XX

12 25 13 WINDOW ROLLER SHADES

WT-1
12 25 13 WINDOW TREATMENT
MANUFACTURER: XX
NUMBER: XX
SIZE: XX
COLOR: XX
STYLE: XX
SERIES: XX



GENERAL NOTES

- ALL WALLS TO BE PAINTED PT-1 U.O.N.
- REFER TO MANUFACTURER'S MOUNTING LITERATURE AND MOUNTING INSTRUCTIONS PRIOR TO INSTALLATION.
- PROVIDE FLOOR FINISH TRANSITION WHERE NOTED ON FINISH PLAN. REFER TO SHEET A9.50 FOR DETAILS.
- PROTECT FINISHES AFTER APPLICATION, IF REQUIRED, TO INHIBIT DAMAGE OR MARRYING DURING ONGOING CONSTRUCTION ACTIVITY. REFER TO PROJECT MANUAL SPECIFICATIONS FOR PROPER PROCEDURE AND EXECUTION.
- FOR INTERIOR SIGNAGE LOCATIONS REFER TO SHEET A9.70.
- ALL INTERIOR FINISHES SHALL COMPLY WITH CHAPTER 8 OF THE 2022 CALIFORNIA BUILDING CODE.
- REFER TO FINISH LEGEND ON SHEET A2.50 FOR MATERIAL FIRE CLASS RATING.

FINISH SYMBOLS

- ← FLOOR PATTERN DIRECTION
CPT-1 FINISH MATERIAL TAG (FLOOR)
PT-1 FINISH MATERIAL TAG (WALL)

- ROOM NAME
101 ROOM NUMBER
XX-1 WALL FINISH
XX-2 WALL ACCENT FINISH
XX-3 WALL BASE FINISH
XX-4 FLOOR FINISH

FINISH LEGEND

- CON-1 SEALED CONCRETE
RS-1 RESILIENT SHEET

1 OVERALL FIRST FLOOR PLAN - FINISH
1/4" = 1'-0"



A2.50

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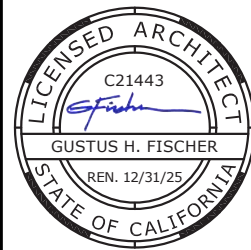
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OVER SACRAMENTO RIVER
FINISH FLOOR PLAN & LEGEND

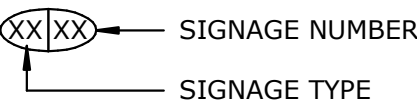
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GENERAL NOTES

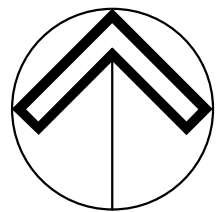
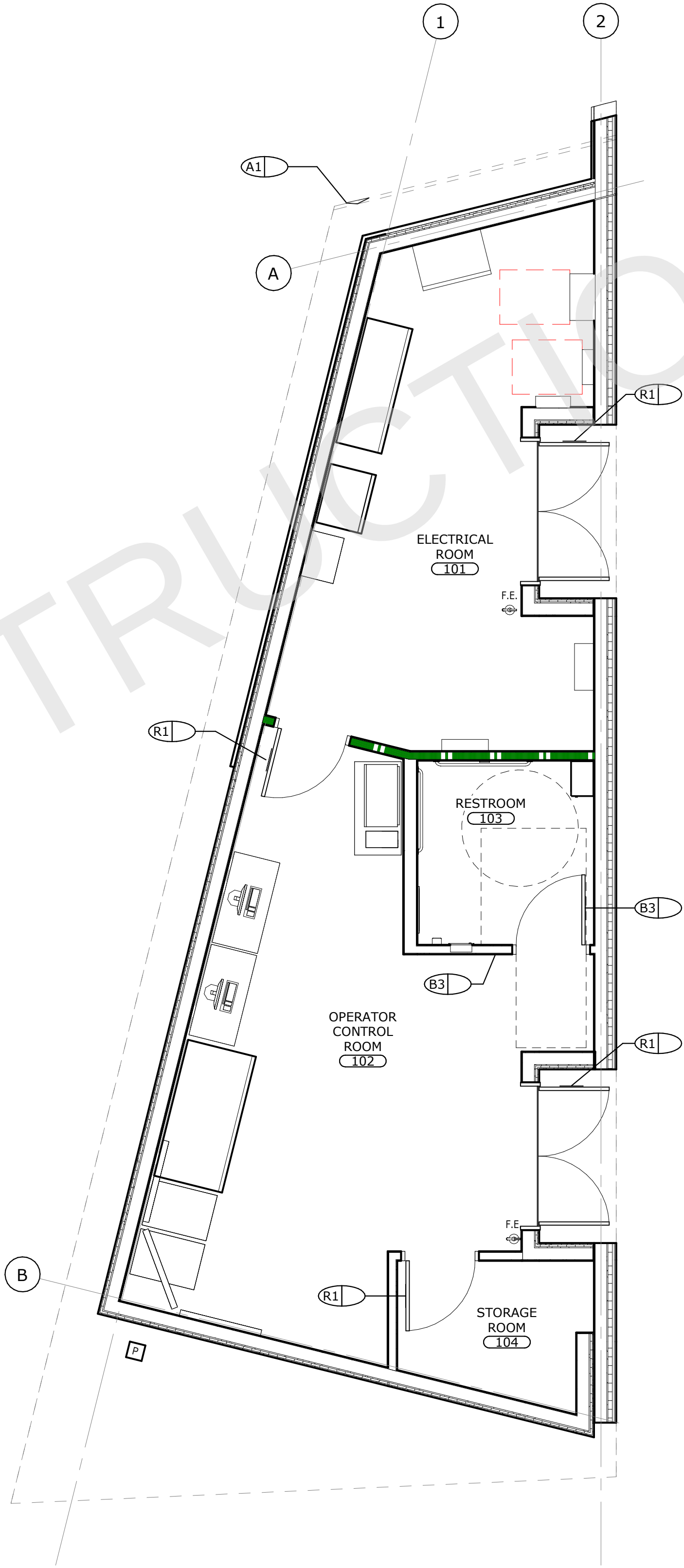
- 1. PROVIDE BLOCKING AND SUPPORT AS REQUIRED FOR ALL CASEWORK, HARDWARE AND MISCELLANEOUS EQUIPMENT ATTACHED TO WALLS, SEE DETAIL 2/SS.5
- 2. PROVIDE INTERIOR SIGNAGE PER SPECIFICATIONS AND DETAILS, SEE SHEET A9.70

SIGNAGE LEGEND



TYPE DESIGNATIONS

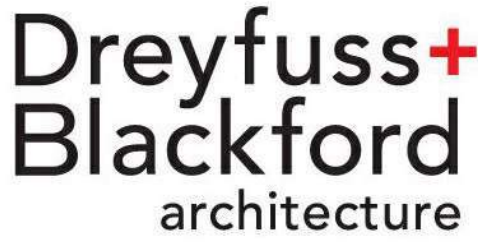
- A1 BUILDING ADDRESS
- B3 ACCESSIBLE ALL GENDER TOILET DOOR GEOMETRIC SYMBOL
- R1 ROOM SIGNAGE



NORTH

A2.70

REVISIONS			
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FIELD BOOK
SCALE AS SHOWN

CITY OF SACRAMENTO
DEPARTMENT OF PUBLIC WORKS

DRAWN BY:SL
DATE 10/24/25

DESIGNED BY:SL
DATE 10/24/25

CHECKED BY:JV
R.L.A.:C31940
DATE 10/24/25

LICENSED ARCHITECT
C21443
GUSTAV H. FISCHER
SINCE 12/31/25
STATE OF CALIFORNIA

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I STREET BRIDGE REPLACEMENT OPERATOR HOUSE
OVER SACRAMENTO RIVER
SIGNAGE PLAN

T15136000

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— OF —
593

T15136000

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EQUIPMENT SCHEDULE - COORDINATION														
MARK	DESCRIPTION	MANUFACTURER	MODEL	WEIGHT	MOUNTING	ANCHORAGE	SUPPLY CONNECTION					SUPPLIED BY	INSTALLED BY	COMMENTS
							POWER	POWER EM	DATA	PLUMBING	GAS			
CAB-2	CCTV EQUIPMENT CABINET			0	FLOOR		Yes	Yes	Yes	No	No	CF	CI	SPEC BY M&M
CAB-3	PA SYSTEM CABINET			0	FLOOR		Yes	Yes	Yes	No	No	CF	CI	SPEC BY M&M
COF-1	COFFEE MAKER			0	COUNTER		Yes	No	No	No	No	OF	OI	
CON-1	CONTROL CONSOLE			0	FLOOR		Yes	Yes	Yes	No	No	CF	CI	SPEC BY M&M
LKR-1	LOCKER	ULINE	H-7584GR	50	FLOOR		No	No	No	No	No	CF	CI	
MON-1	CCTV MONITOR	LOMBART	CVS MICRO PC 21"		WALL	2/S5.5	Yes	Yes	Yes			CF	CI	SPEC BY M&M
MRW-1	MICROWAVE				COUNTER			No	No	No	No	OF	OI	
TBL-1	WORKTABLE	ULINE	H-8963	41	FLOOR		No	No	No	No	No	CF	CI	
WKS-1	WORKSTATION DESK & COMPUTER				FLOOR		Yes	Yes	Yes	No	No	OF	OI	
WSL-1	WALL SHELF	ULINE	H-7500	18	WALL	2/S5.5	No	No	No	No	No	CF	CI	STAINLESS STEEL

GENERAL NOTES

1. ALL MOBILE EQUIPMENT IS SHOWN DASHED.
2. PROVIDE BLOCKING AND SUPPORT AS REQUIRED FOR ALL HARDWARE AND MISCELLANEOUS EQUIPMENT ATTACHED TO WALLS, SEE DETAIL 2/S5.5
3. CONTRACTOR TO NOTIFY ARCHITECT IF THE EQUIPMENT MFR ANCHORAGE CONFLICTS WITH EQUIPMENT ANCHORAGE DETAIL.

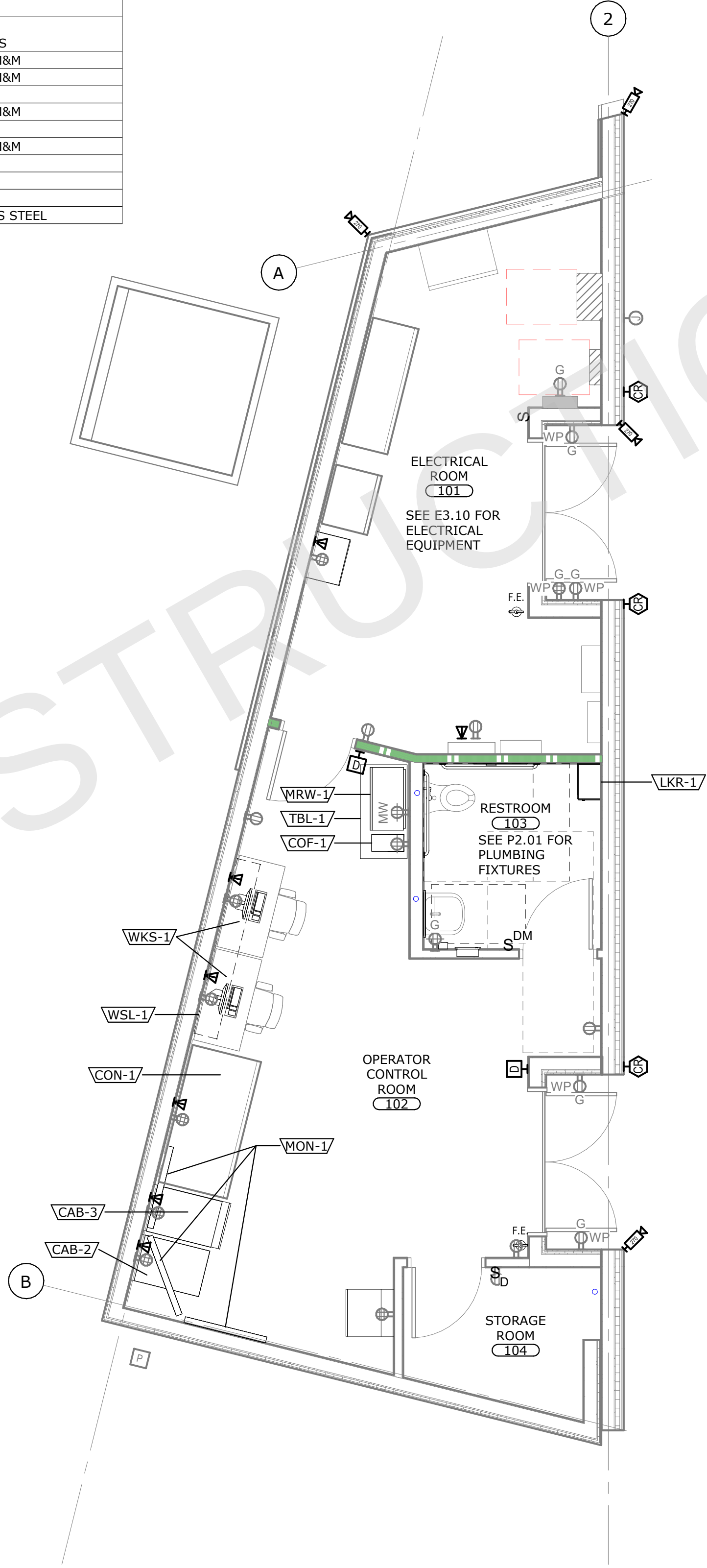
EQUIPMENT PLAN SYMBOLS

- ROOM NAME

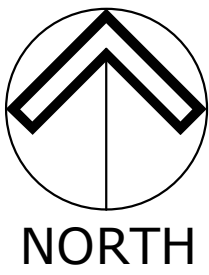
ROOM NUMBER
- XXX-1

EQUIPMENT TAG, SEE SHEET A2.80
- XX-1

ACCESSORY TAG, SEE SHEET A5.01
- SECURITY CAMERAS, SEE E3.10

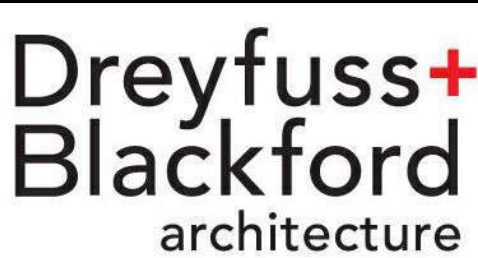


1 OVERALL FIRST FLOOR PLAN - EQUIPMENT
1/4" = 1'-0"



A2.80

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	DESCRIPTION			



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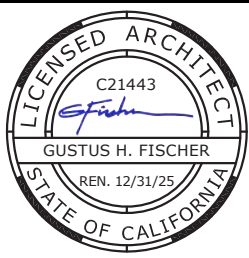
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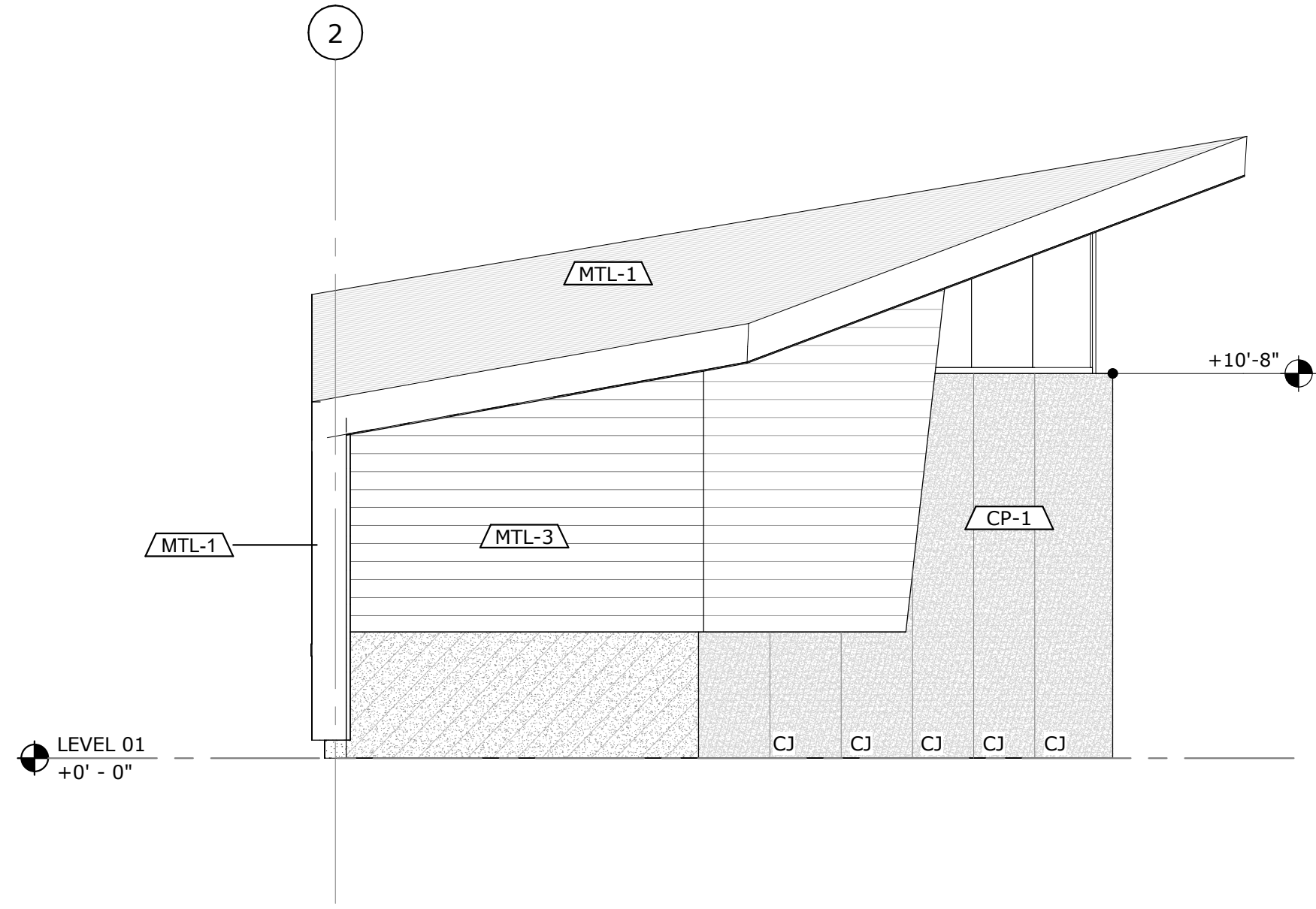


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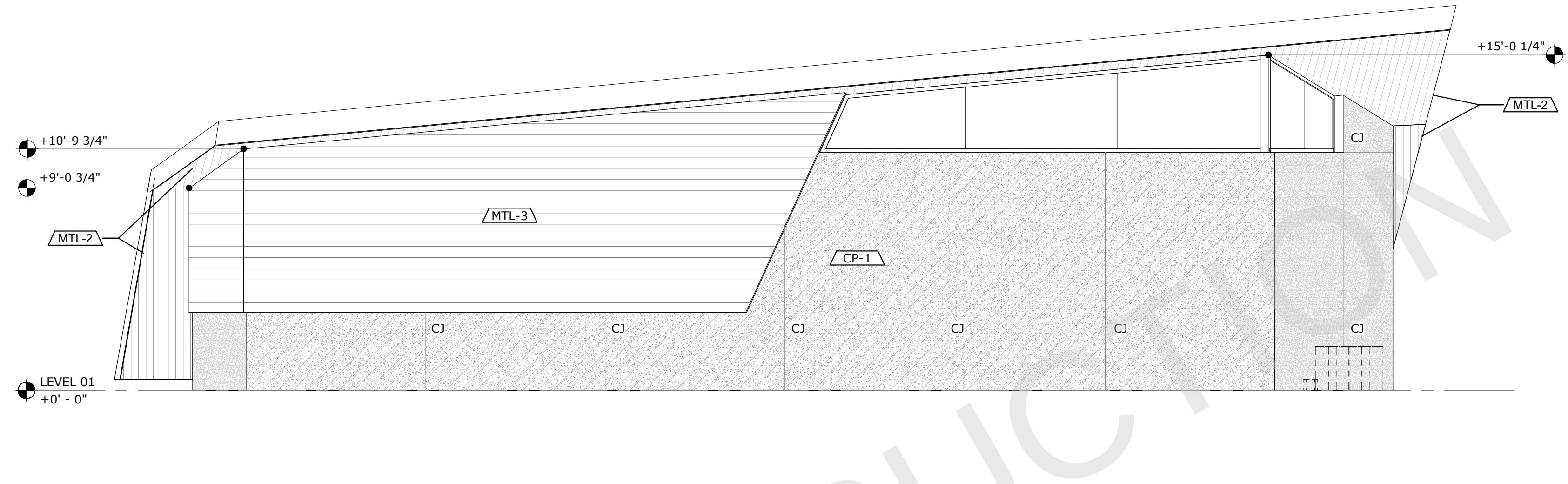
I STREET BRIDGE REPLACEMENT OPERATOR HOUSE
OVER SACRAMENTO RIVER
EQUIPMENT PLAN

T15136000
SHEET
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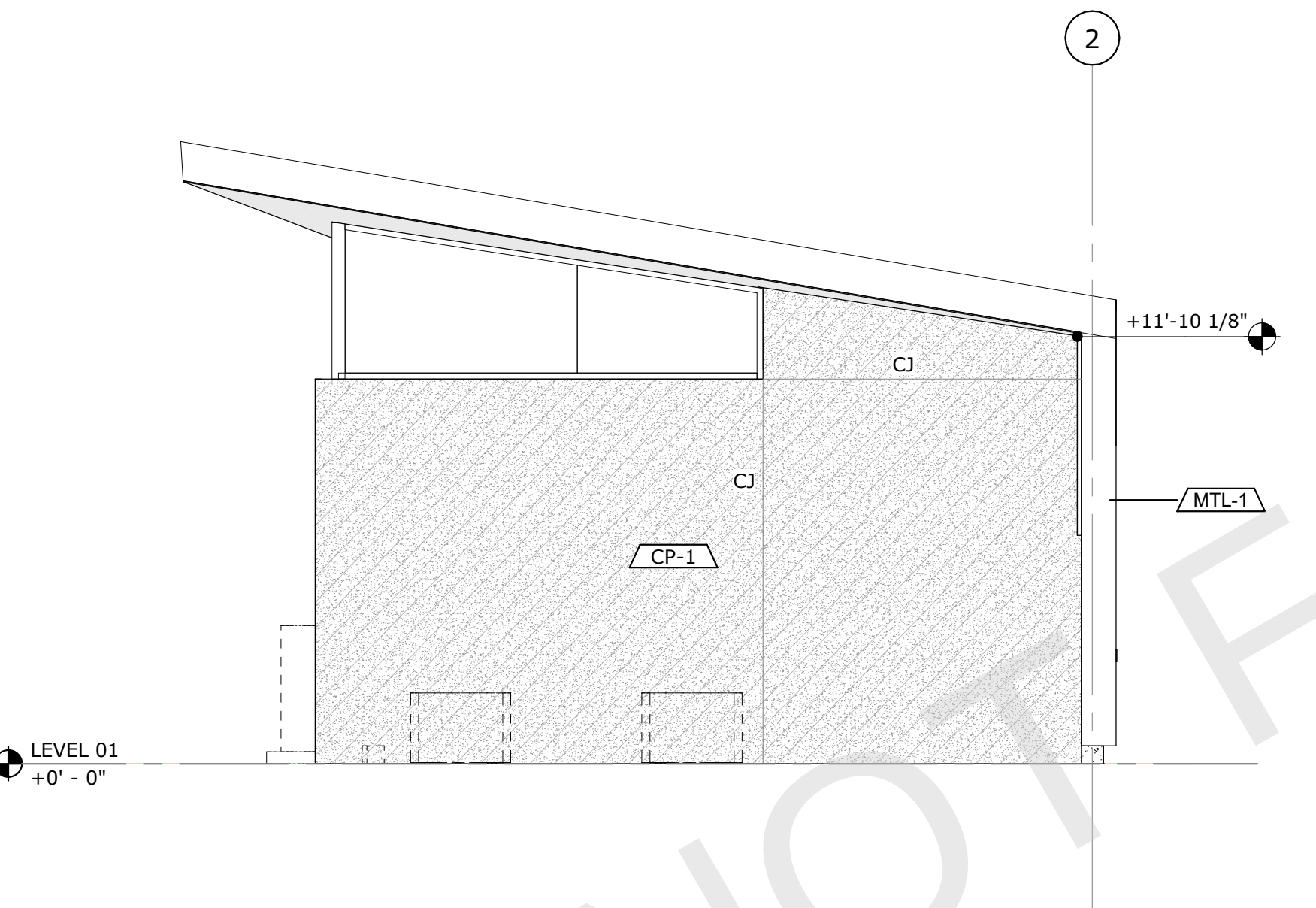
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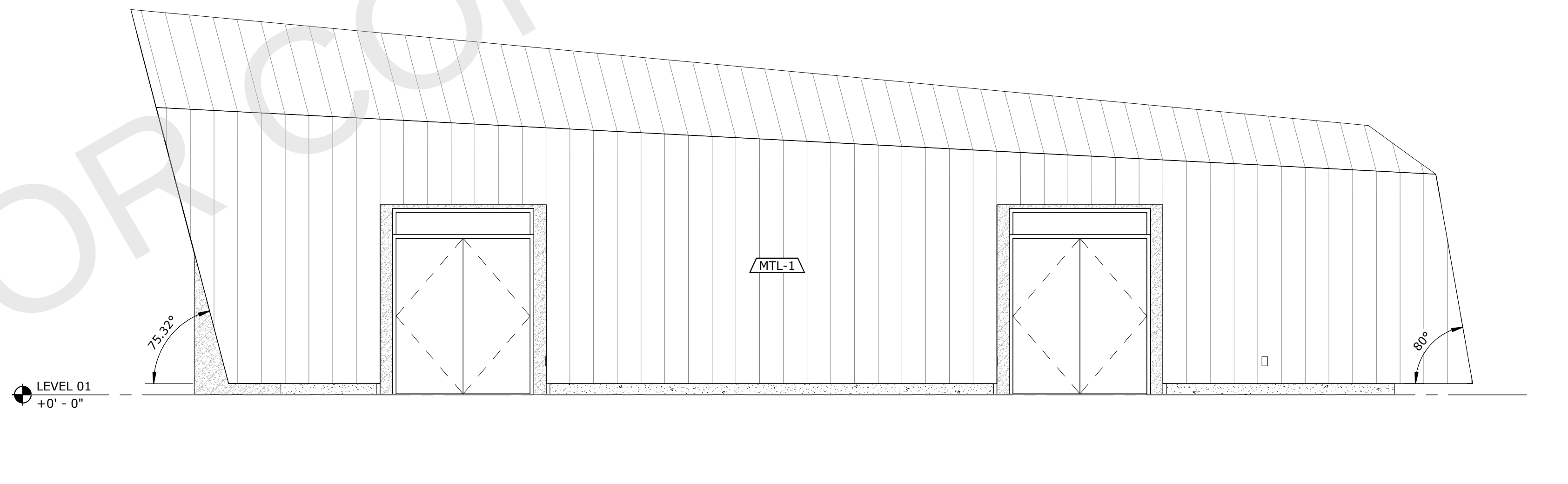
1 NORTH ELEVATION
1/4" = 1'-0"



2 WEST ELEVATION
1/4" = 1'-0"



3 SOUTH ELEVATION
1/4" = 1'-0"



4 EAST ELEVATION
1/4" = 1'-0"

EXTERIOR FINISH LEGEND

- MTL-1** STANDING SEAM METAL ROOFING
MFR: BERRIDGE (BOD)
MODEL: TEE-PANEL
COLOR: CHARCOAL GREY
- MTL-2** METAL PANEL
MFR: BERRIDGE (BOD)
MODEL: VEE-PANEL
COLOR: CHARCOAL GREY
- MTL-3** METAL PANEL
MFR: BERRIDGE (BOD)
MODEL: RS-725 PANEL
COLOR: SIERRA TAN
- CP-1** CEMENT PLASTER
MFR (BOD):
PRODUCT:
TEXTURE: COARSE
COLOR: TO MATCH DUNN EDWARDS
'MUSLIN' DE6227

ELEVATION SYMBOLS

- PT-1** FINISH MATERIAL TAG (WALL)
- CJ** CONTROL JOINT
- X'-XX"** SPOT ELEVATION

A3.01

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Blackford
architecture

FIELD BOOK

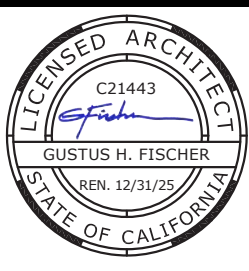
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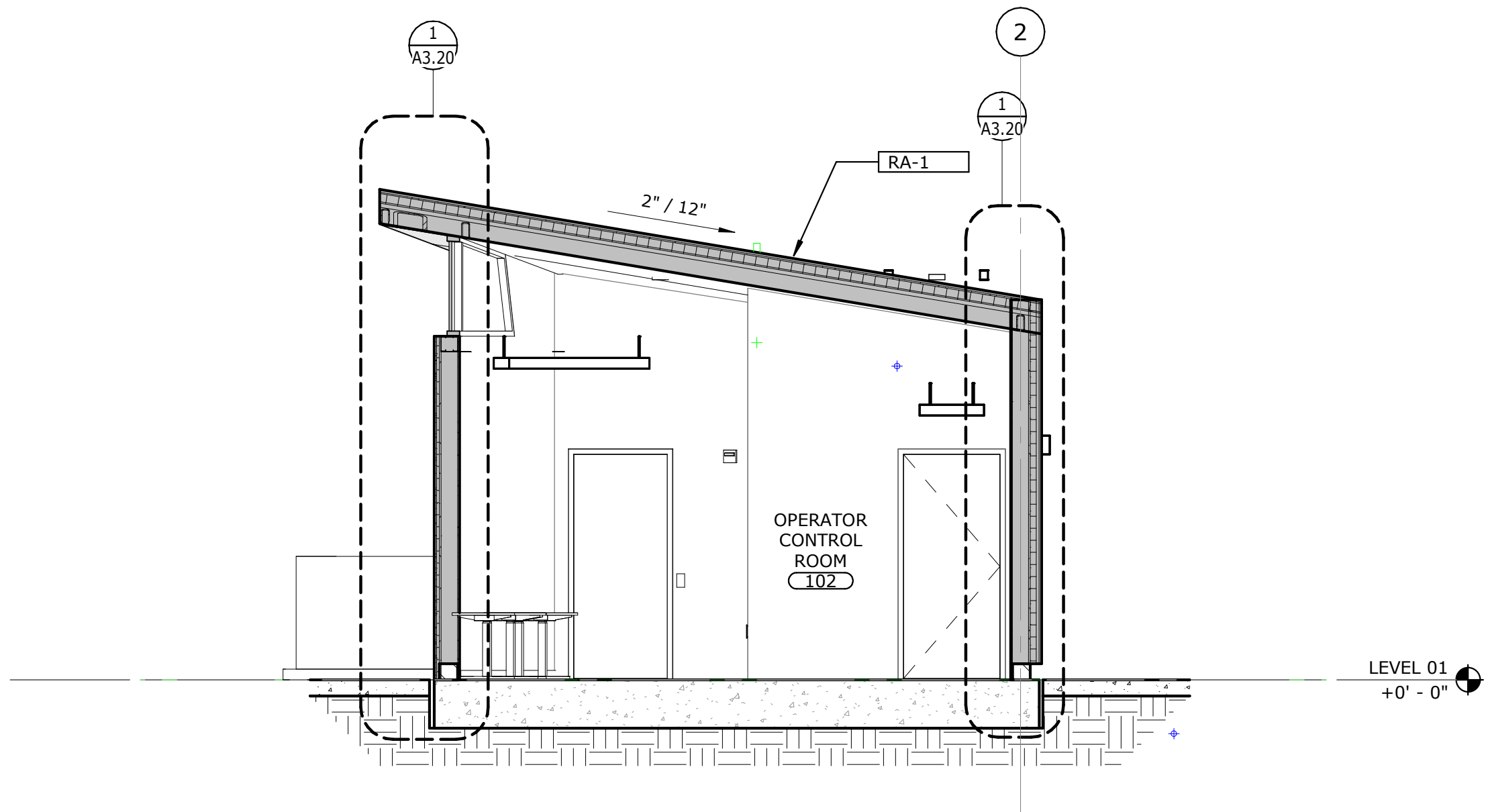


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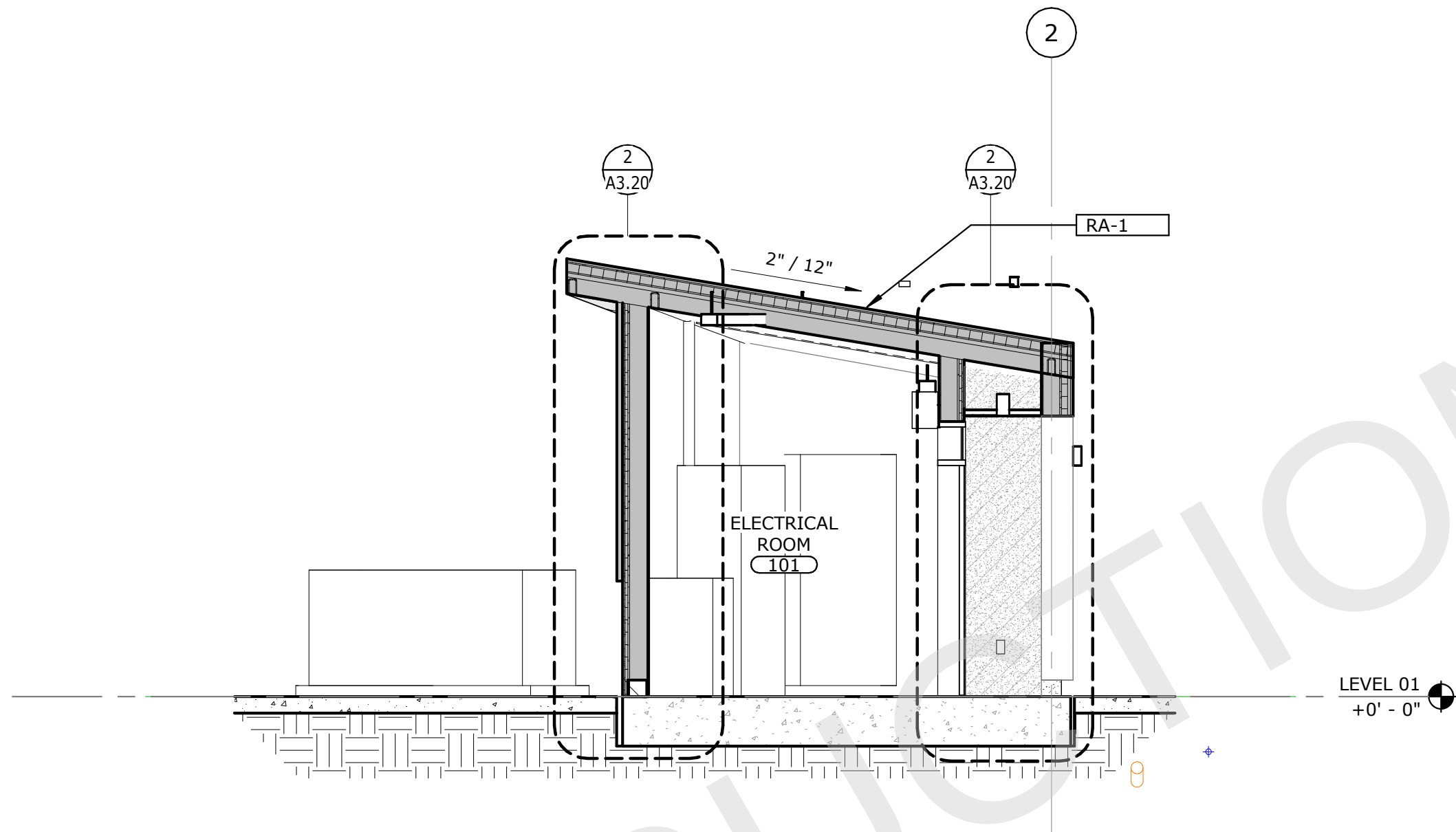
I STREET BRIDGE REPLACEMENT OPERATOR HOUSE
OVER SACRAMENTO RIVER
EXTERIOR ELEVATIONS

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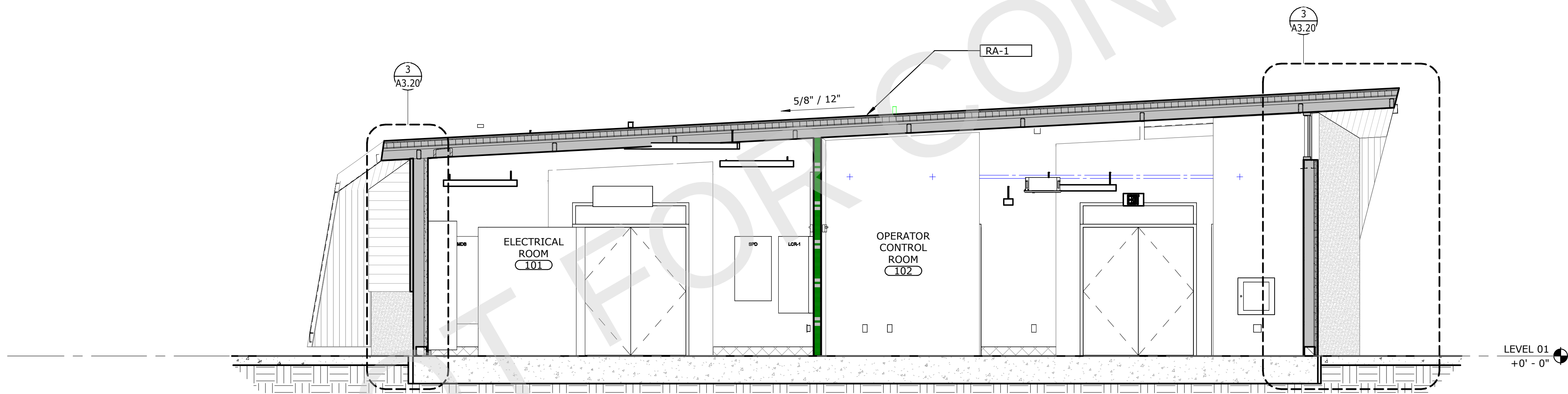
1 BUILDING SECTION EAST-WEST 1
1/4" = 1'-0"



2 BUILDING SECTION EAST-WEST 2
1/4" = 1'-0"

SECTION SYMBOLS

ROOM NAME	ROOM NAME
101	ROOM NUMBER
X' / 12"	SLOPE
XX-1	ASSEMBLY TAG



3 BUILDING SECTION NORTH-SOUTH
1/4" = 1'-0"

A3.10

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Blackford
architecture

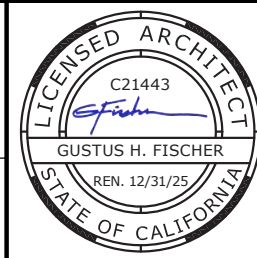
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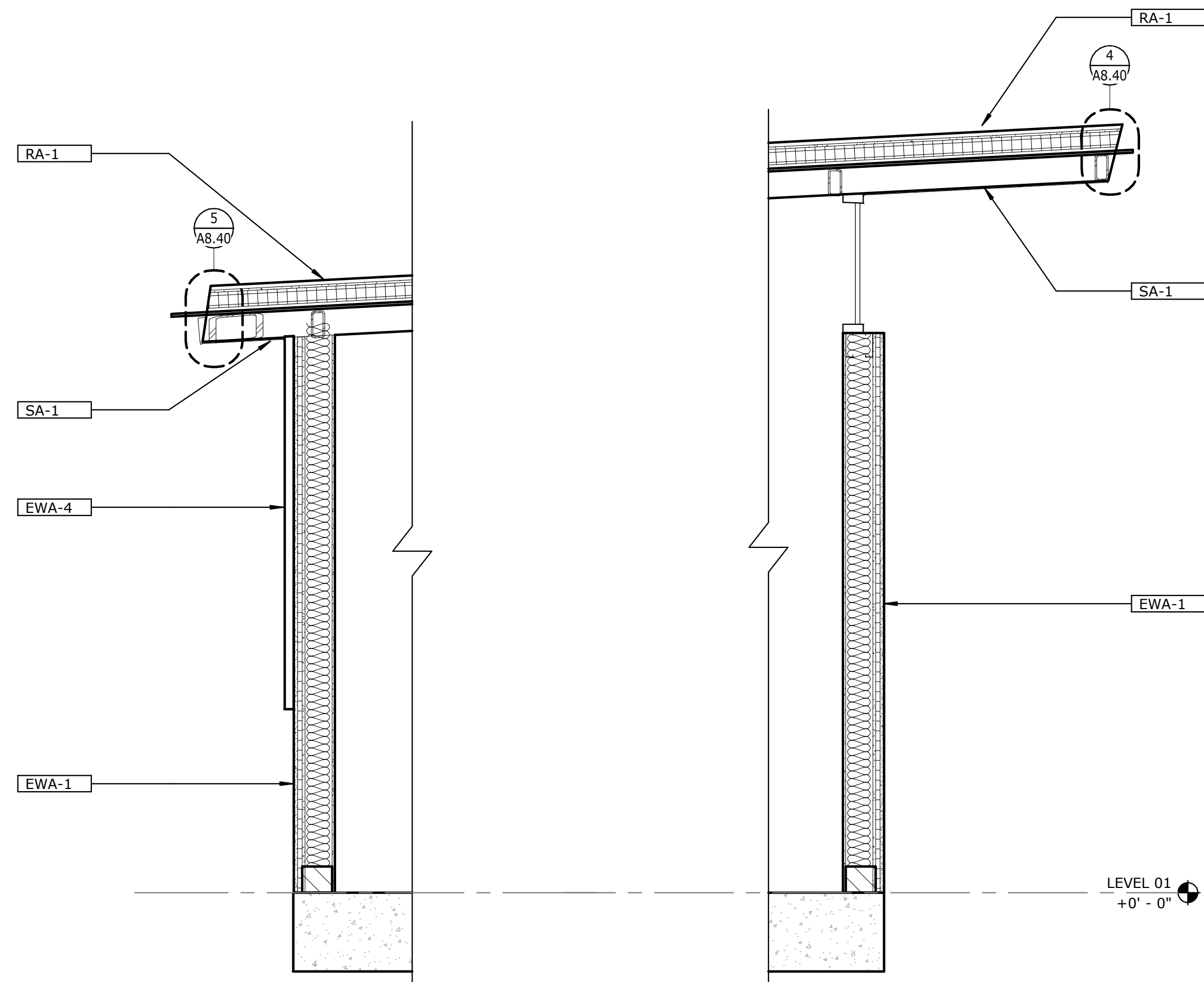
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I STREET BRIDGE REPLACEMENT OPERATOR HOUSE
OVER SACRAMENTO RIVER
BUILDING SECTIONS

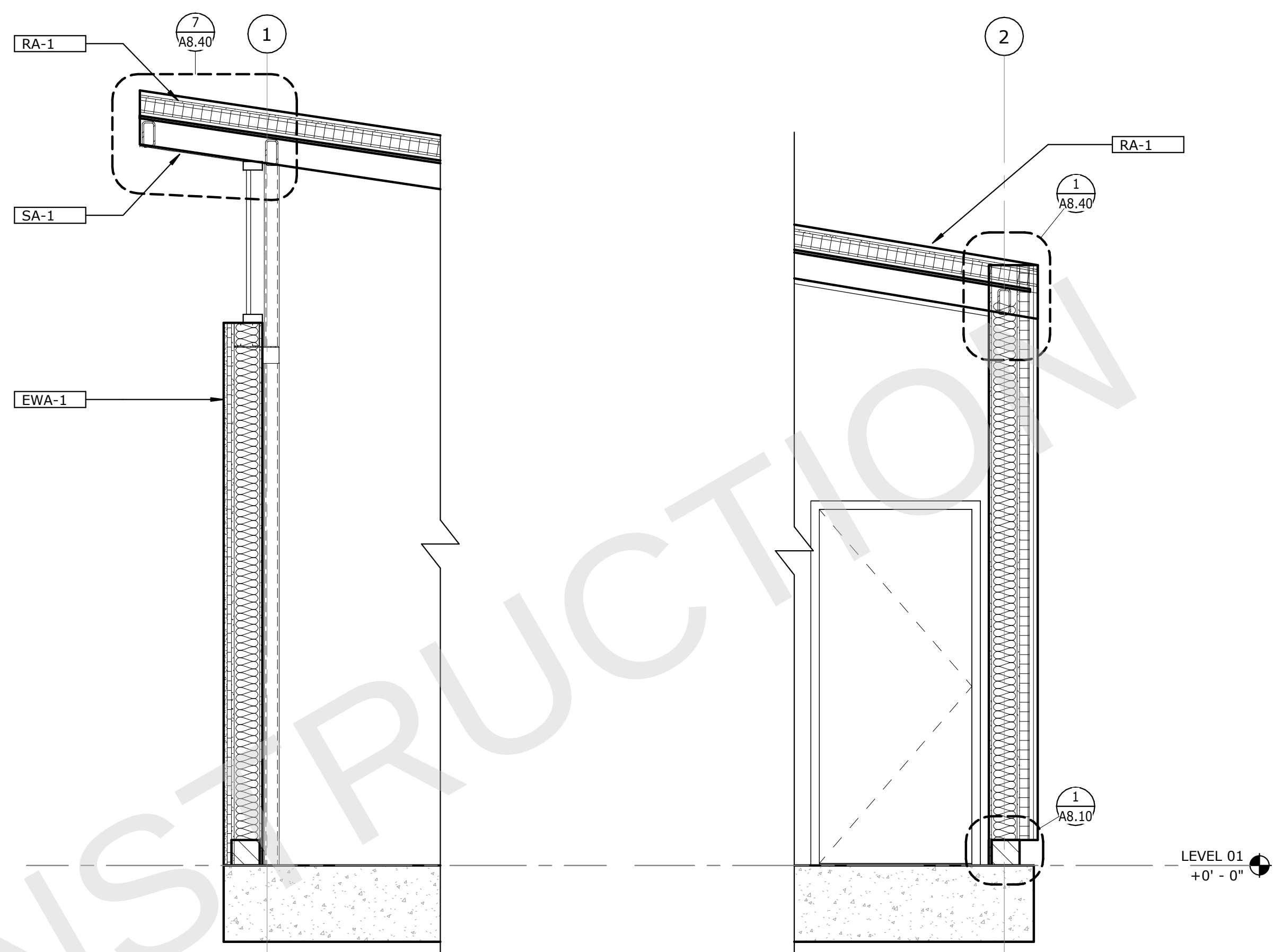
T15136000

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593

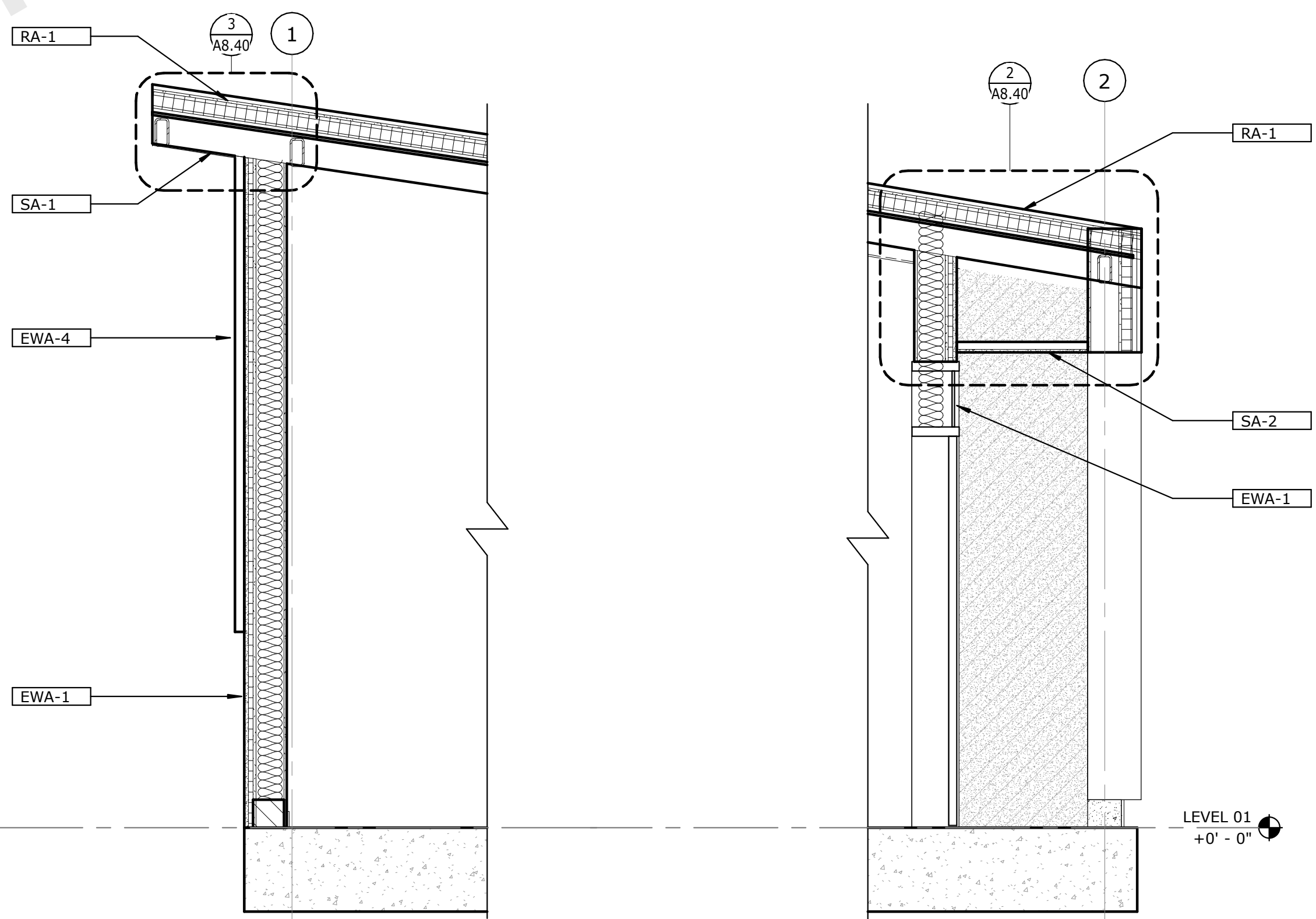
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3 WALL SECTION NORTH-SOUTH
1/2" = 1'-0"



1 WALL SECTION EAST-WEST 1
1/2" = 1'-0"



2 WALL SECTION EAST-WEST 2
1/2" = 1'-0"

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FIELD BOOK

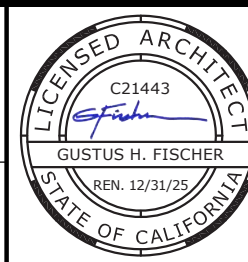
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I STREET BRIDGE REPLACEMENT OPERATOR HOUSE
OVER SACRAMENTO RIVER
WALL SECTIONS

T15136000
SHEET
— OF —
593

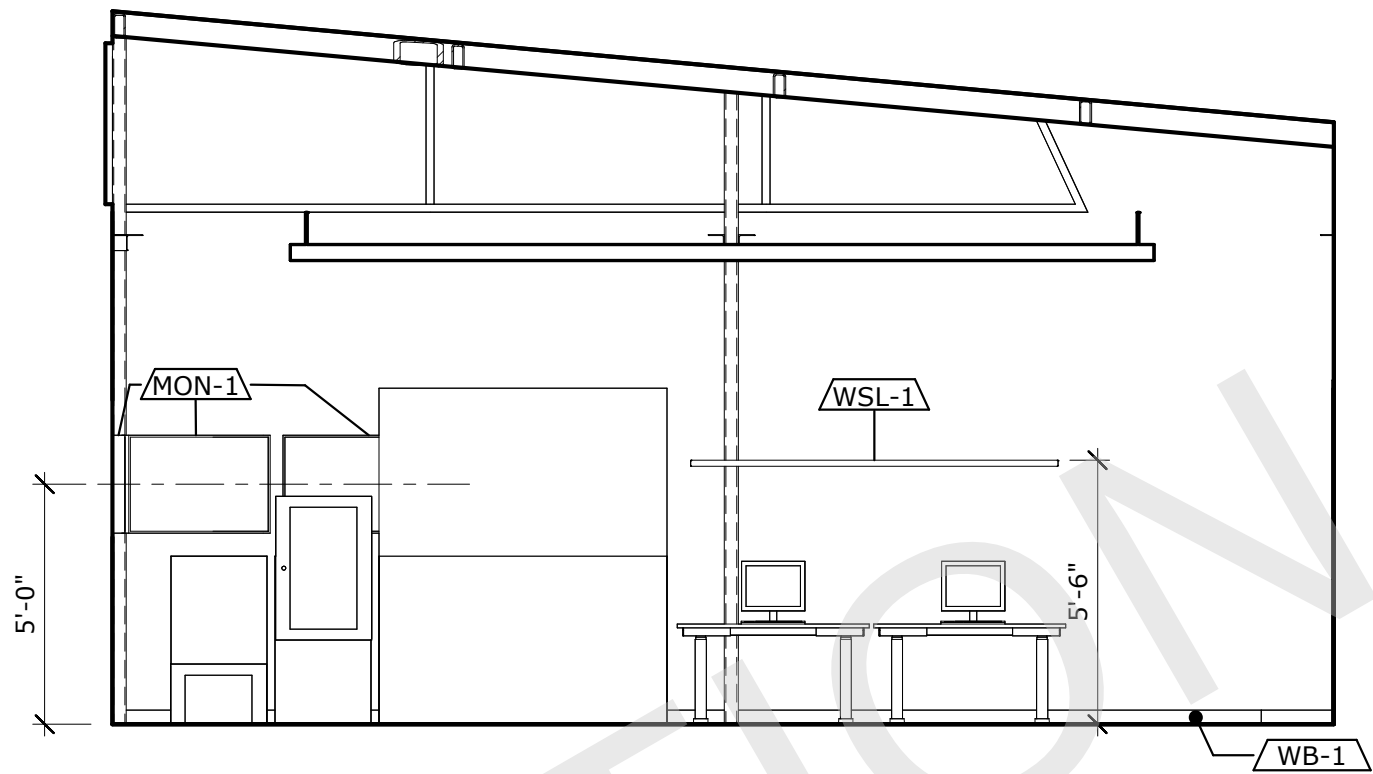
A3.20

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ACCESSORIES SCHEDULE									
REV.	MARK	DESCRIPTION	MANUFACTURER	MODEL	PROVIDED BY	INSTALLED BY	MOUNTING	ANCHORAGE DETAIL	COMMENTS
	GB-2	GRAB BAR - 42" LONG	BOBRICK	B-5806 x 42			WALL		
	GB-3	GRAB BAR - 48" LONG	BOBRICK	B-5806 x 48			WALL		
	MI-1	CHANNEL-FRAMED MIRROR		24" x 36"			WALL		
	PT-1	RECESSED PAPER TOWEL DISPENSER	BOBRICK	B-359033			WALL		
	SP-1	SOAP DISPENSER	BOBRICK	B-2111			FIXED		
	TP-1	RECESSED TOILET PAPER, SEAT COVER DISPENSER, SANITARY NAPKIN DISPOSAL	BOBRICK	B-3091			WALL		

GENERAL NOTES

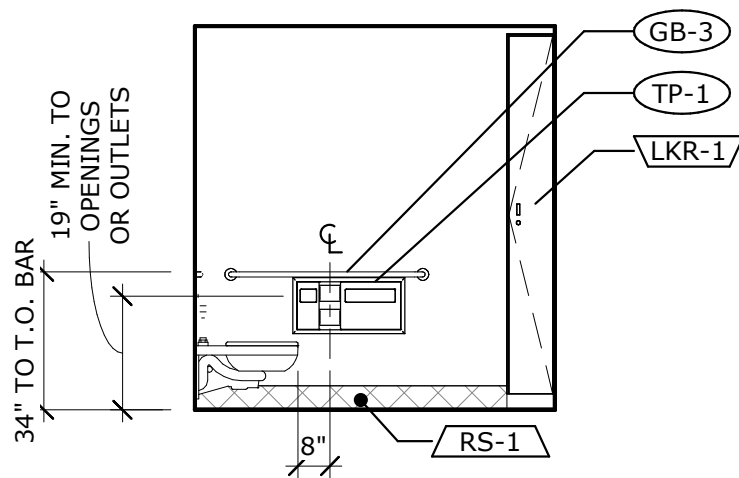
1. ALL DIMENSIONS ARE TO CENTER LINE OF COLUMN OR FACE OF STUD, UNLESS OTHERWISE NOTED.
2. ALL WALL BASE TO BE 4" WB-1 U.O.N. SEE A2.50 FOR FINISH LEGEND.
3. PROVIDE BLOCKING AND SUPPORT AS REQUIRED FOR ALL EQUIPMENT AND ACCESSORIES ATTACHED TO WALLS, SEE DETAIL 2/S5.5
4. EMERGENCY POWER OUTLETS ARE SHOWN IN RED.
5. ALL WALL PROTECTION AND CORNER GUARDS ARE SHOWN IN GRAY FOR CLARITY.
6. FOR INTERIOR SIGNAGE LOCATIONS SEE SHEET A2.70



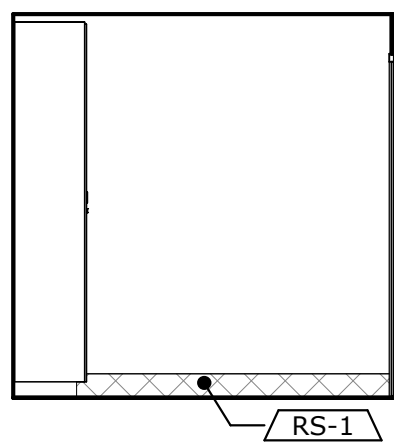
1 102 OPERATOR CONTROL ROOM - WEST
1/4" = 1'-0"

LEGEND

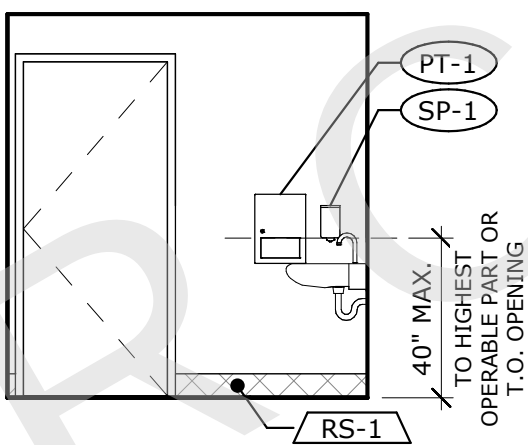
- XXX-1 EQUIPMENT DESIGNATION
SEE SHEET A2.80 FOR DETAILS
- XX-1 ACCESSORIES DESIGNATION
SEE SHEET A2.80 FOR DETAILS
- XX-1 FINISH MATERIAL TAG
SEE SHEET A2.50 FOR DETAILS



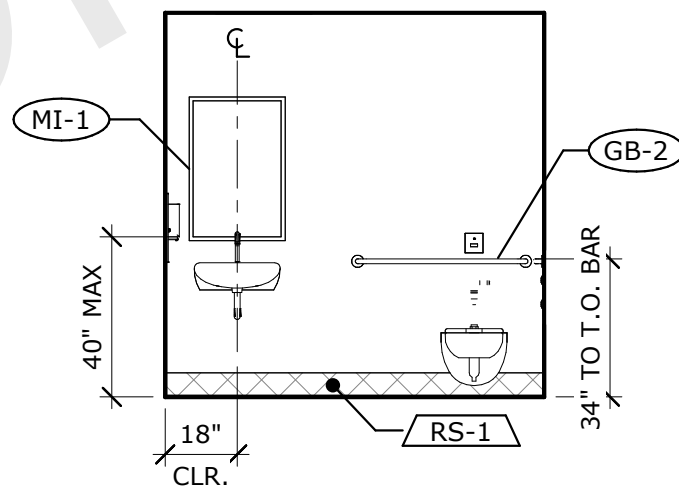
6 103 RESTROOM - NORTH
1/4" = 1'-0"



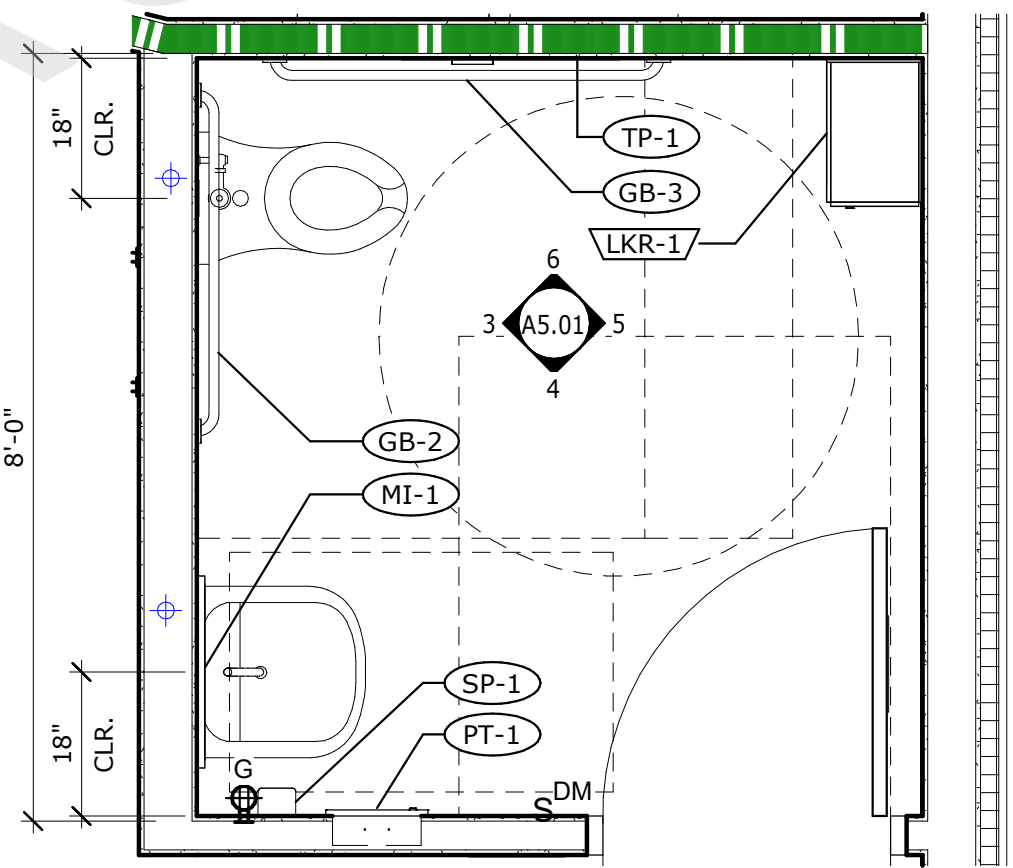
5 103 RESTROOM - EAST
1/4" = 1'-0"



4 103 RESTROOM - SOUTH
1/4" = 1'-0"



3 103 RESTROOM - WEST
1/4" = 1'-0"



2 103 RESTROOM - ENLARGED PLAN
1/2" = 1'-0"

A5.01

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FIELD BOOK
SCALE AS SHOWN

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I STREET BRIDGE REPLACEMENT OPERATOR HOUSE
OVER SACRAMENTO RIVER
INTERIOR ELEVATIONS & ENLARGED RESTROOM PLAN

T15136000

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CEILING SCHEDULE				
TYPE	DESCRIPTION	MANUFACTURER	MODEL	COMMENTS
GYP-1	GYPSUM BOARD, PAINTED			

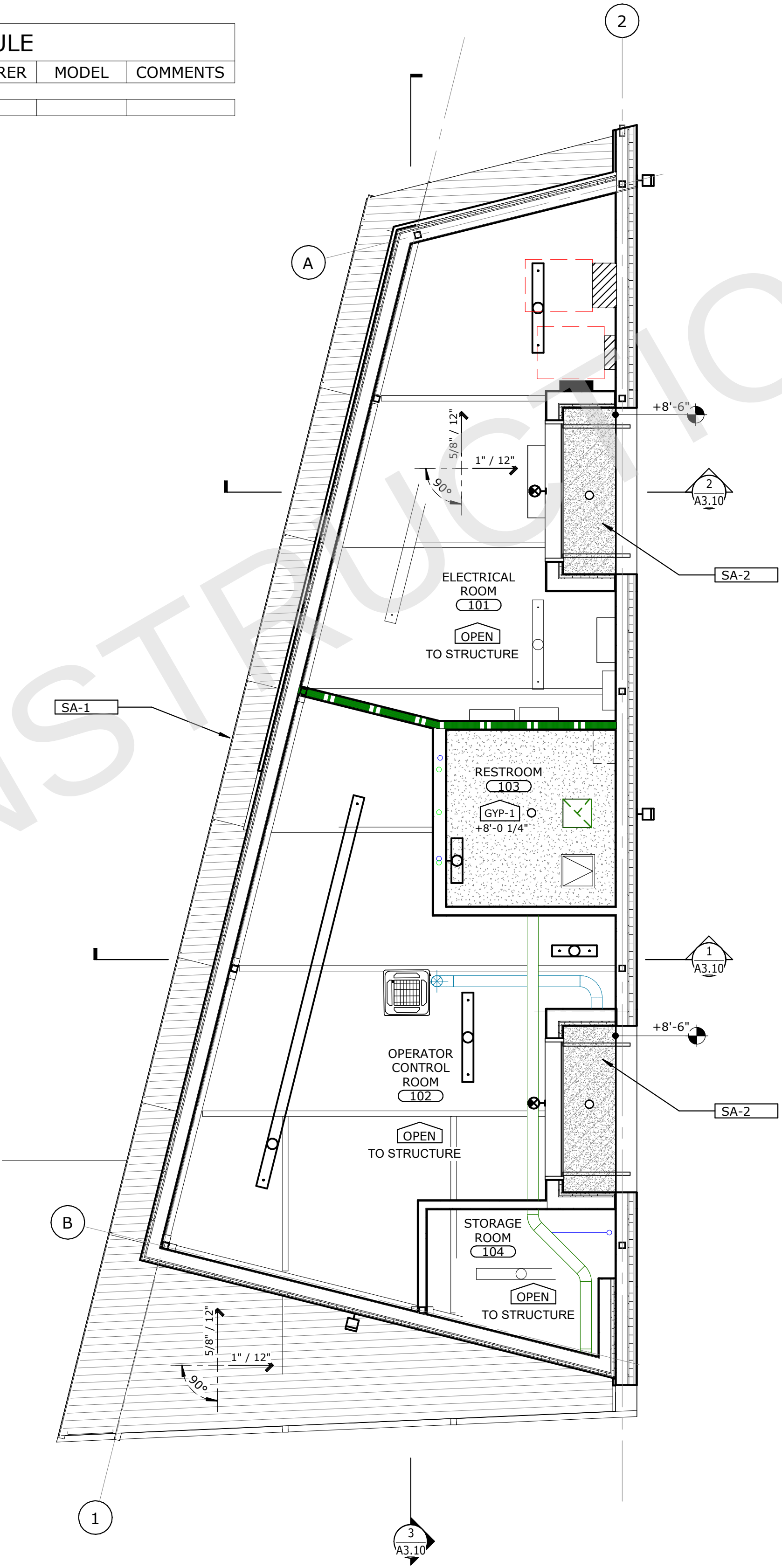
GENERAL NOTES

- MECHANICAL AND ELECTRICAL ITEMS ARE SHOWN ON REFLECTED CEILING PLANS FOR LOCATIONS. SEE MECHANICAL AND ELECTRICAL PLANS FOR FIXTURE AND EQUIPMENT INFORMATION.
- ALL DIMENSIONS ARE TO CENTER LINE OF COLUMN OR FACE OF STUD AT WALLS, UNLESS OTHERWISE NOTED. DIMENSIONS TO FACE OF FINISH ARE NOTATED WITH "F.O.F."
- ALL GYPSYM BOARD CEILINGS, BULKHEADS AND SOFFITS TO BE GYP-1 U.O.N. SEE FINISH SCHEDULE AND LEGEND ON SHEET A2.50 FOR CEILING FINISHES.
- CEILING HEIGHT IS MEASURED FROM THE FINISH FLOOR BELOW.
- SEE SHEETS A9.40 FOR TYPICAL CEILING DETAILS.

CEILING LEGEND

- XXX-X

+X'-X"
- CEILING TYPE
- CEILING HEIGHT
-
- GYPSUM BOARD CEILING
-
- CEMENT PLASTER SOFFIT
- XX-1
- ASSEMBLY TAG
-
- CEILING ACCESS PANEL
-
- EXHAUST AIR REGISTER
-
- SUSPENDED LINEAR FIXTURE
-
- RECESSED DOWNCAN
-
- HVAC UNIT

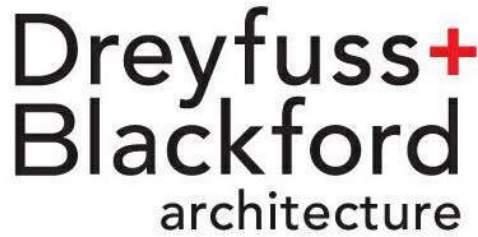


1 LEVEL 01 REFLECTED CEILING PLAN
1/4" = 1'-0"



A6.10

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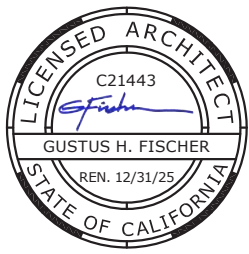
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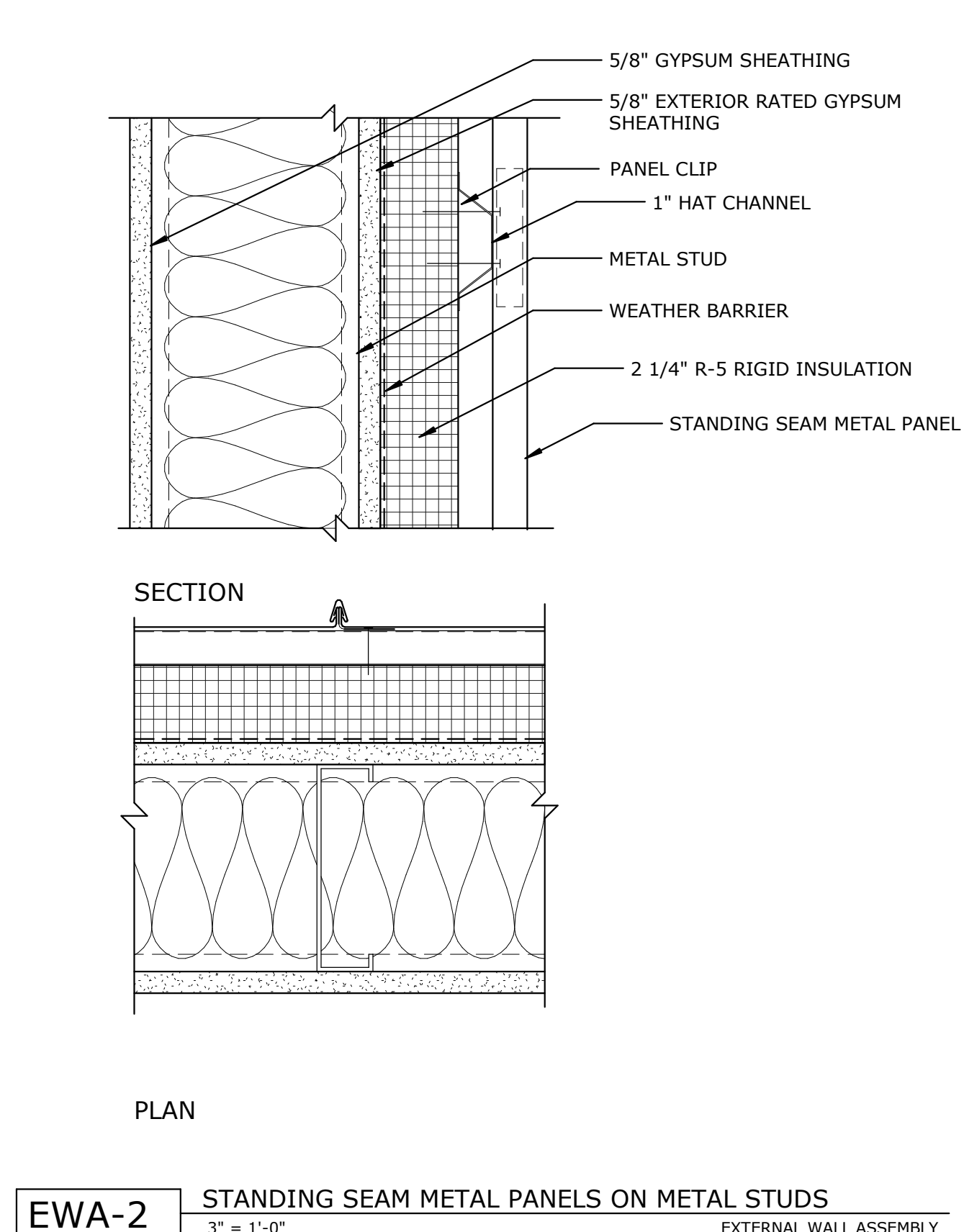
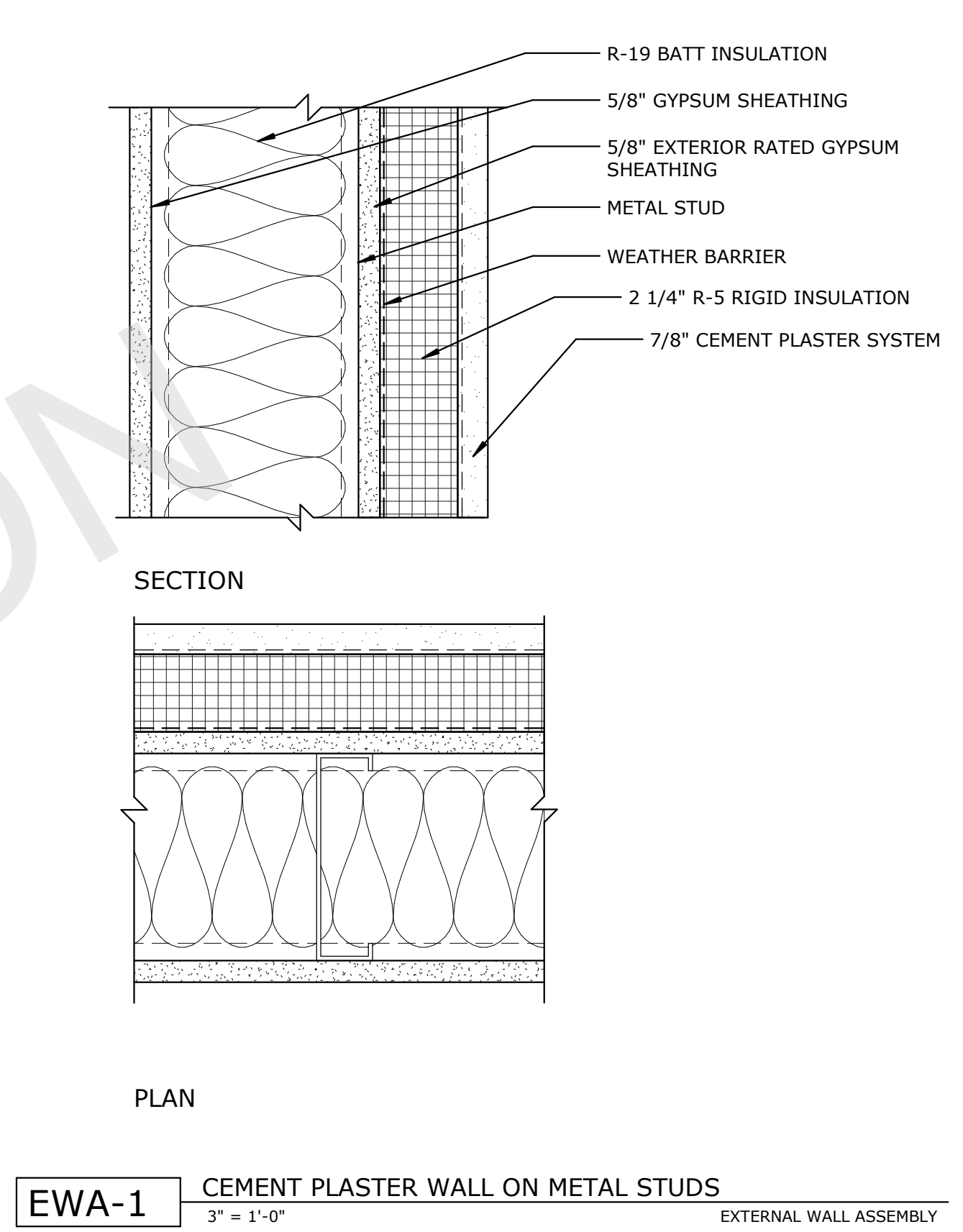
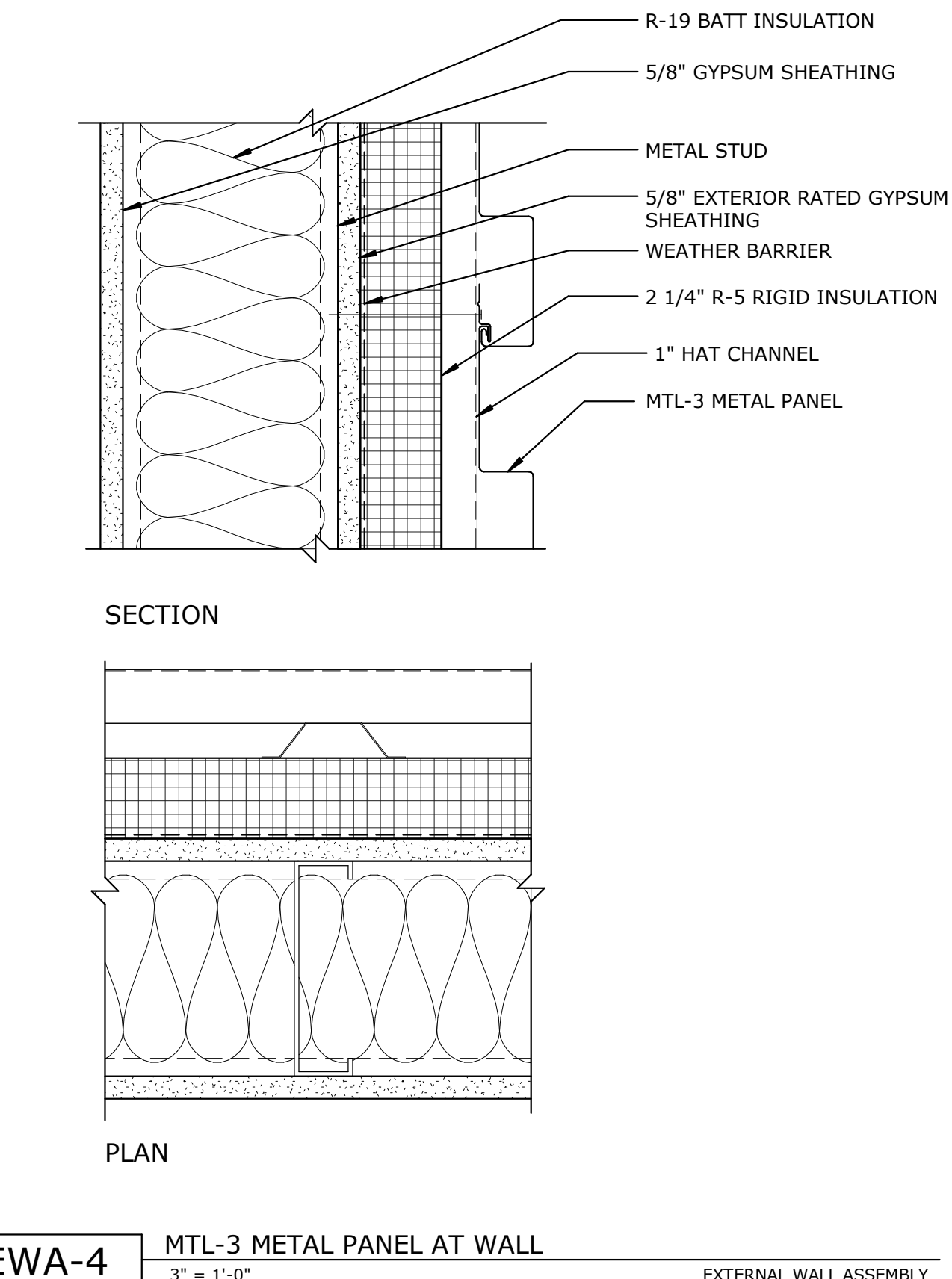
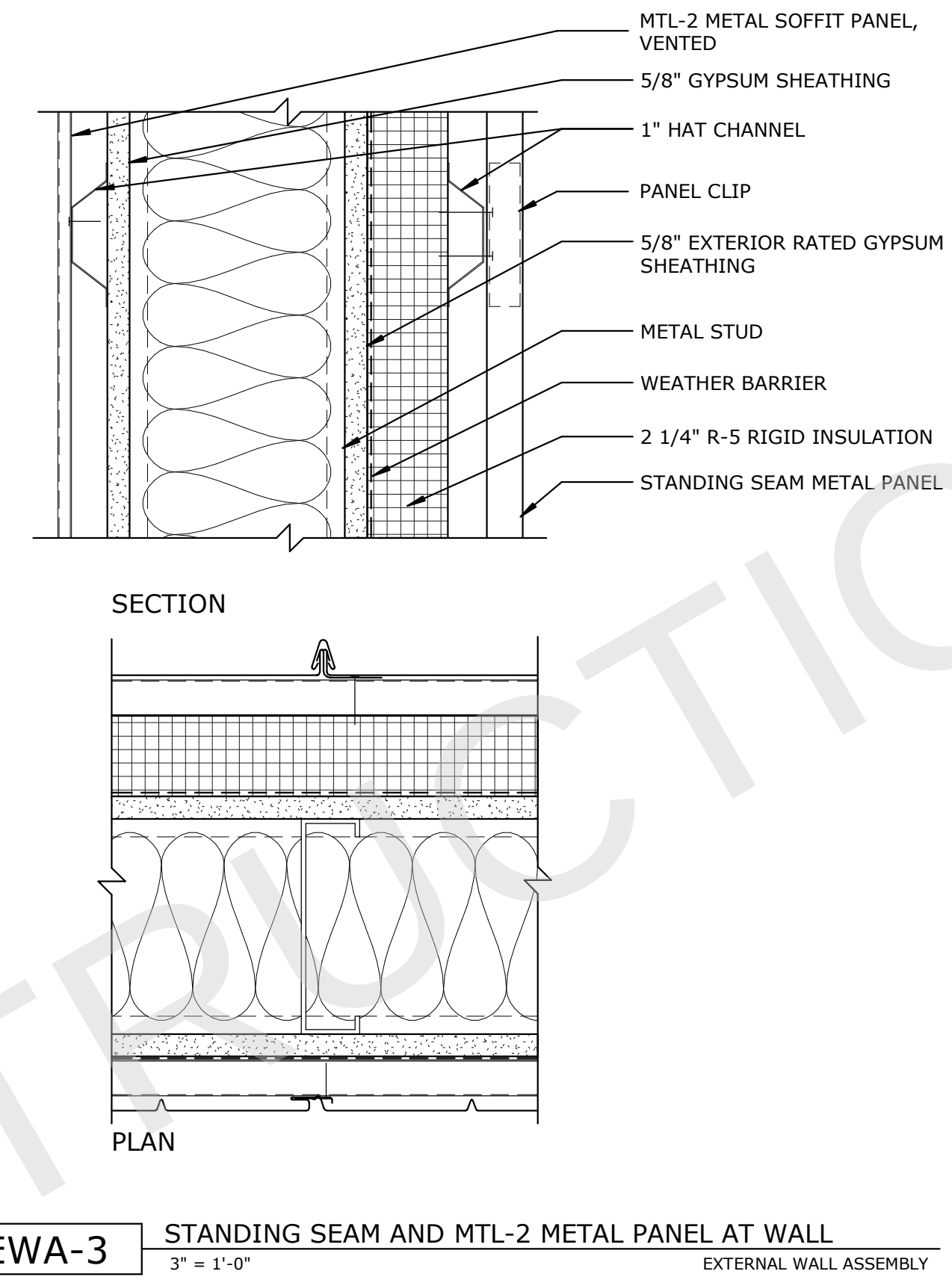
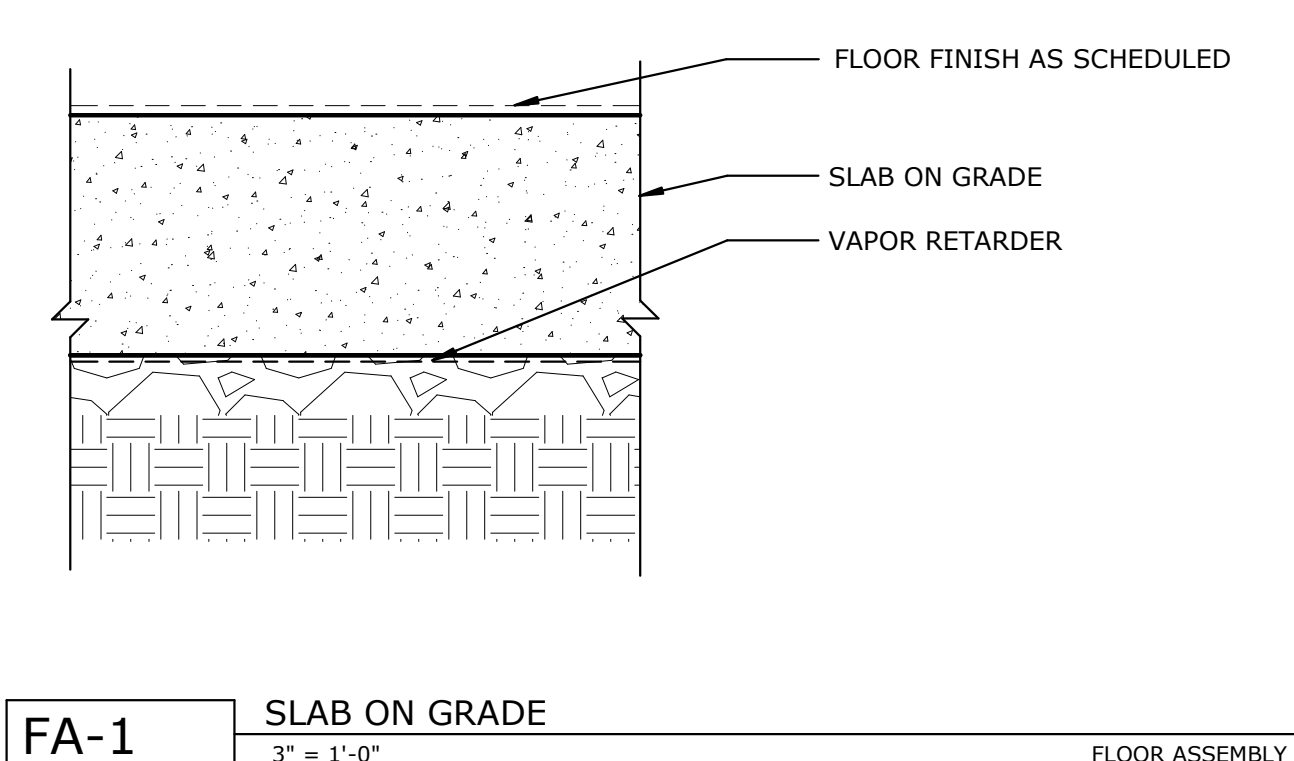
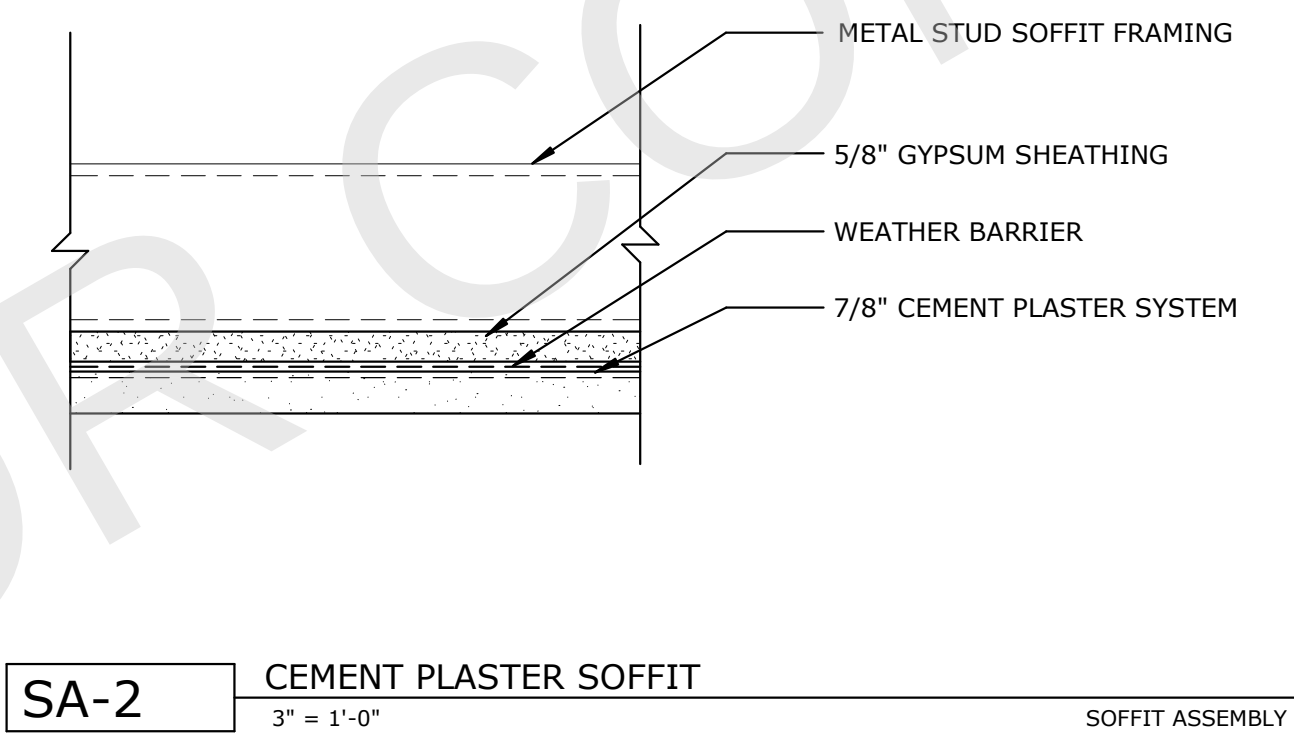
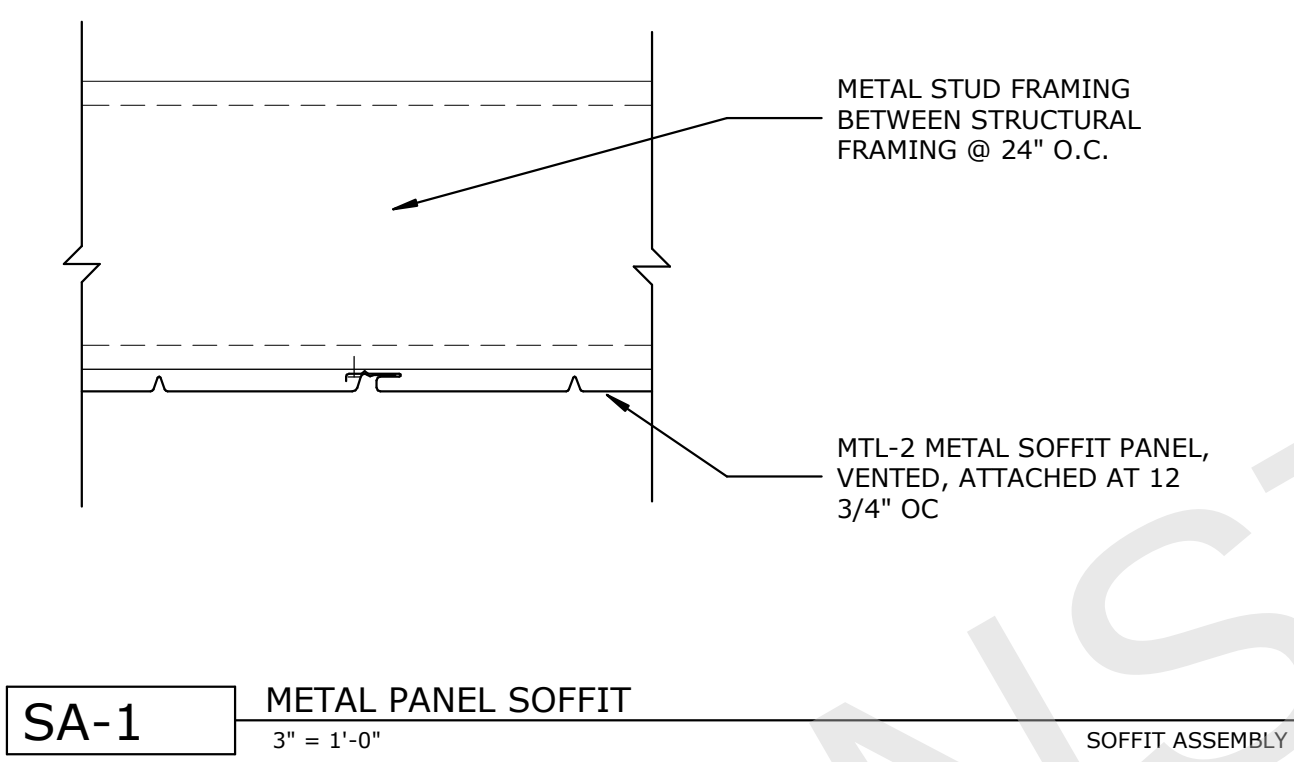
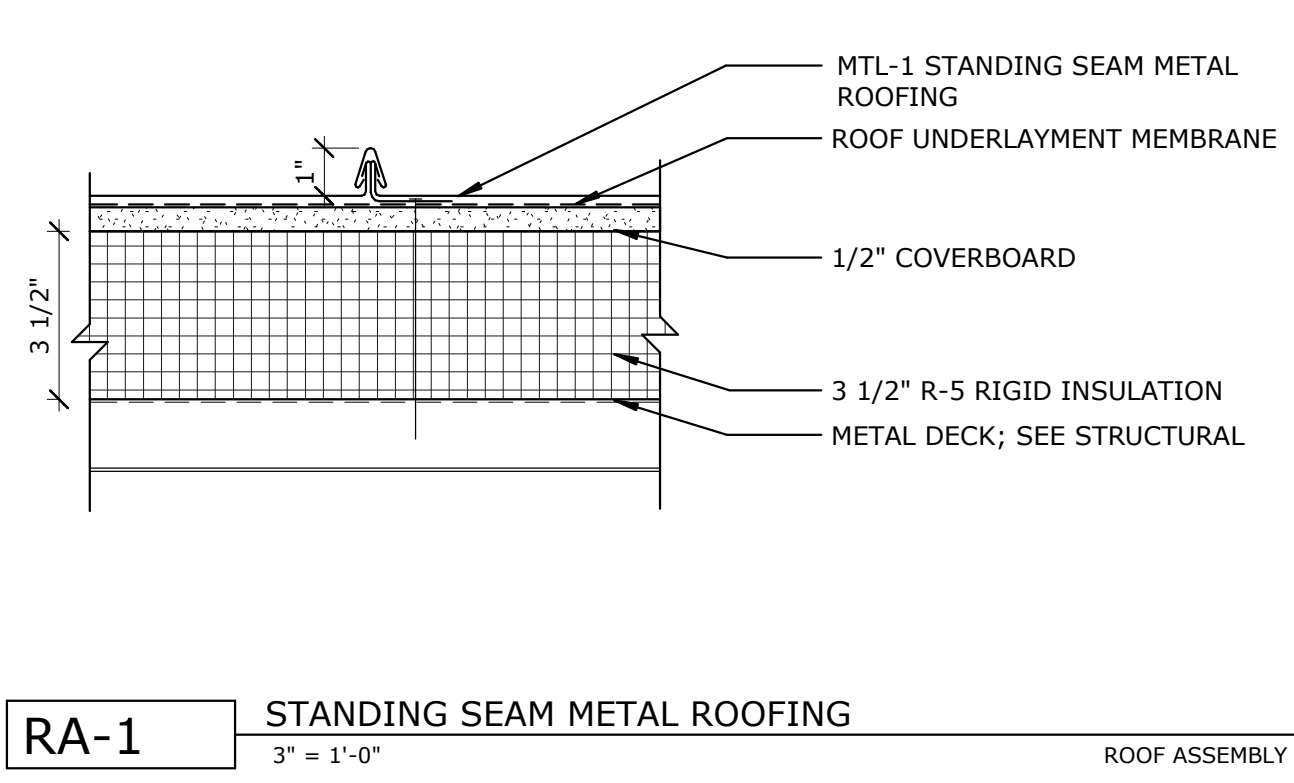


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I STREET BRIDGE REPLACEMENT OPERATOR HOUSE
OVER SACRAMENTO RIVER
OVERALL REFLECTED CEILING PLAN

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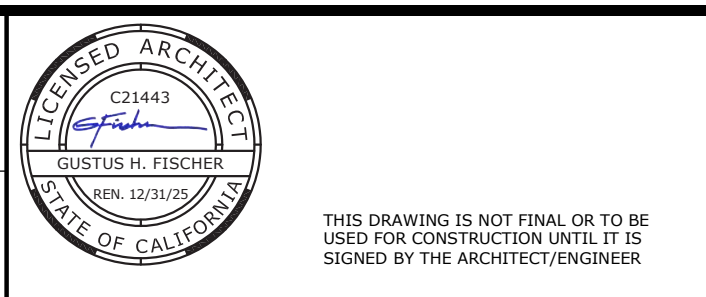
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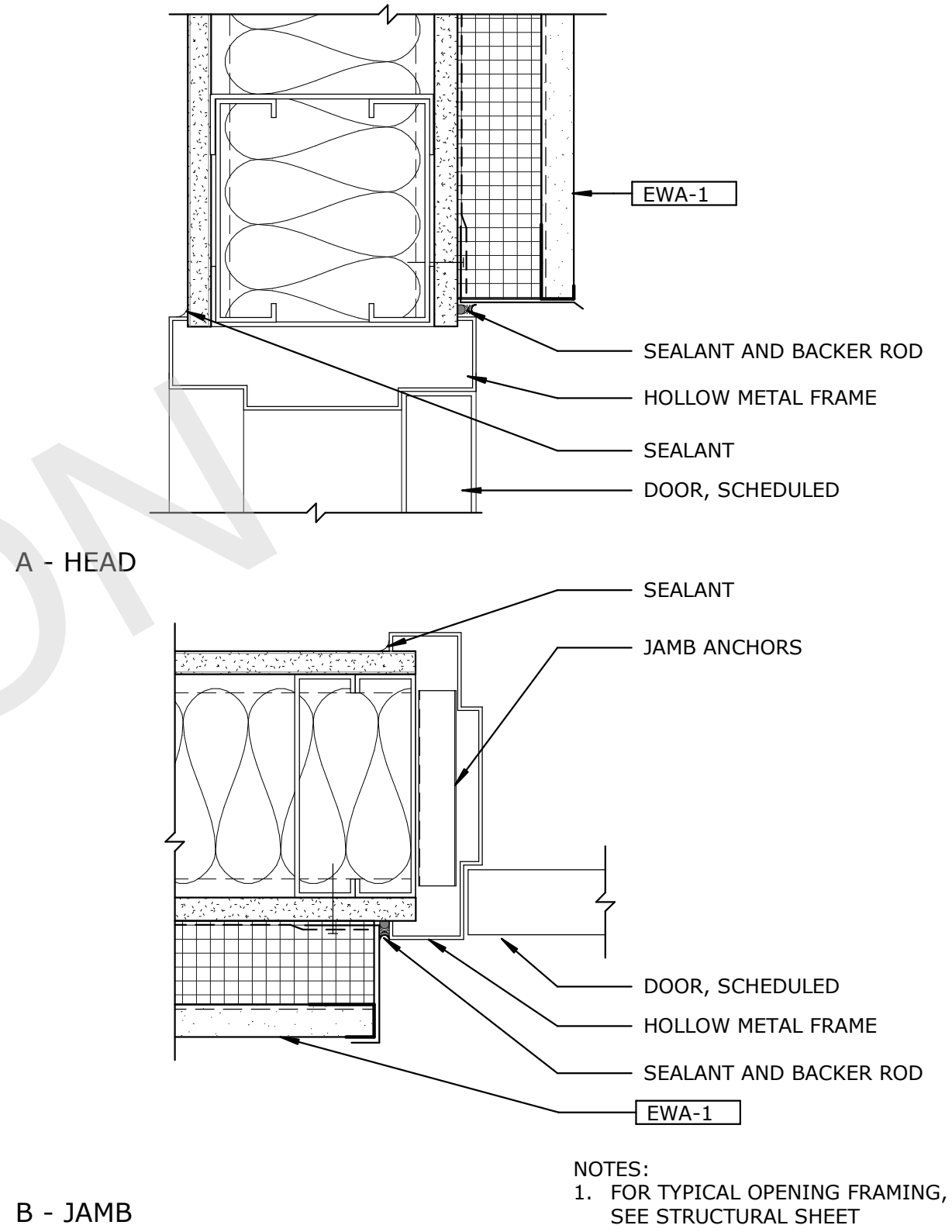
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I STREET BRIDGE REPLACEMENT OPERATOR HOUSE
OVER SACRAMENTO RIVER
EXTERIOR ASSEMBLIES

T15136000	SHEET — OF — 593
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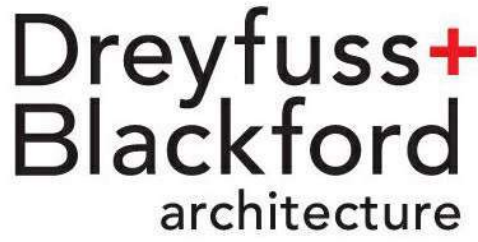
10/27/2025 11:37:50 AM Autodesk Docs://C1007.00 1 St Bridge Operator/C1007.00 1 Street Bridge Operator House-A24.rvt



2 EXTERIOR DOOR HEAD & JAMB - HOLLOW METAL
3" = 1'-0"

A8.20

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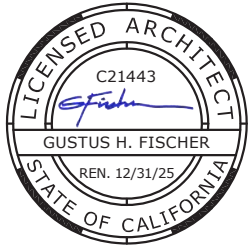
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DESIGNED BY:JV
DATE 10/24/25

CHECKED BY:GF
R.L.A.:C21443 DATE 10/24/25



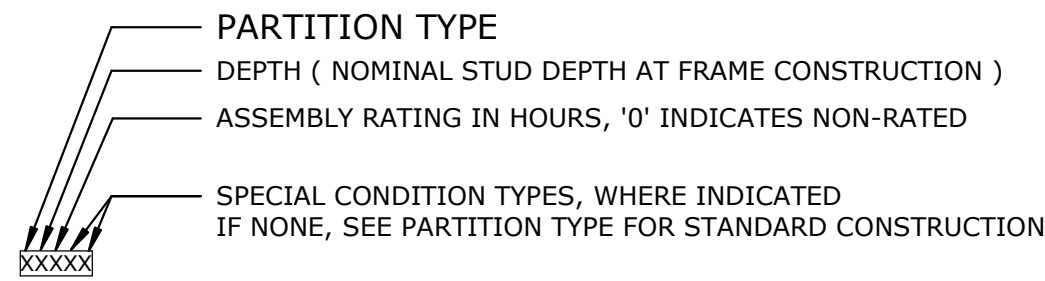
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I STREET BRIDGE REPLACEMENT OPERATOR HOUSE
OVER SACRAMENTO RIVER
EXTERIOR DOOR DETAILS

T15136000
SHEET
— OF —
593

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GENERAL NOTES



DEPTH - METAL STUDS		DEPTH - FURRING	
2	2-1/2" STUDS	0	7/8" FURRING CHANNELS
3	3-5/8" STUDS	1	1-1/2" FURRING CHANNELS
4	4" STUDS		
6	6" STUDS	DEPTH - CMU	
8	8" STUDS	8	7-5/8" ACTUAL
10	10" STUDS	12	11-5/8" ACTUAL

SPECIAL CONDITION TYPES

- A FULL HEIGHT STUDS AND FULL HEIGHT SOUND ATTENUATION BLANKET
B ADDITIONAL LAYER OF GYP. BD. BOTH SIDES
C ADDITIONAL LAYER OF GYP. BD. ONE SIDE
D GYP. BD. ON ONE SIDE ONLY
E NO GYP. BD. ON EITHER SIDE

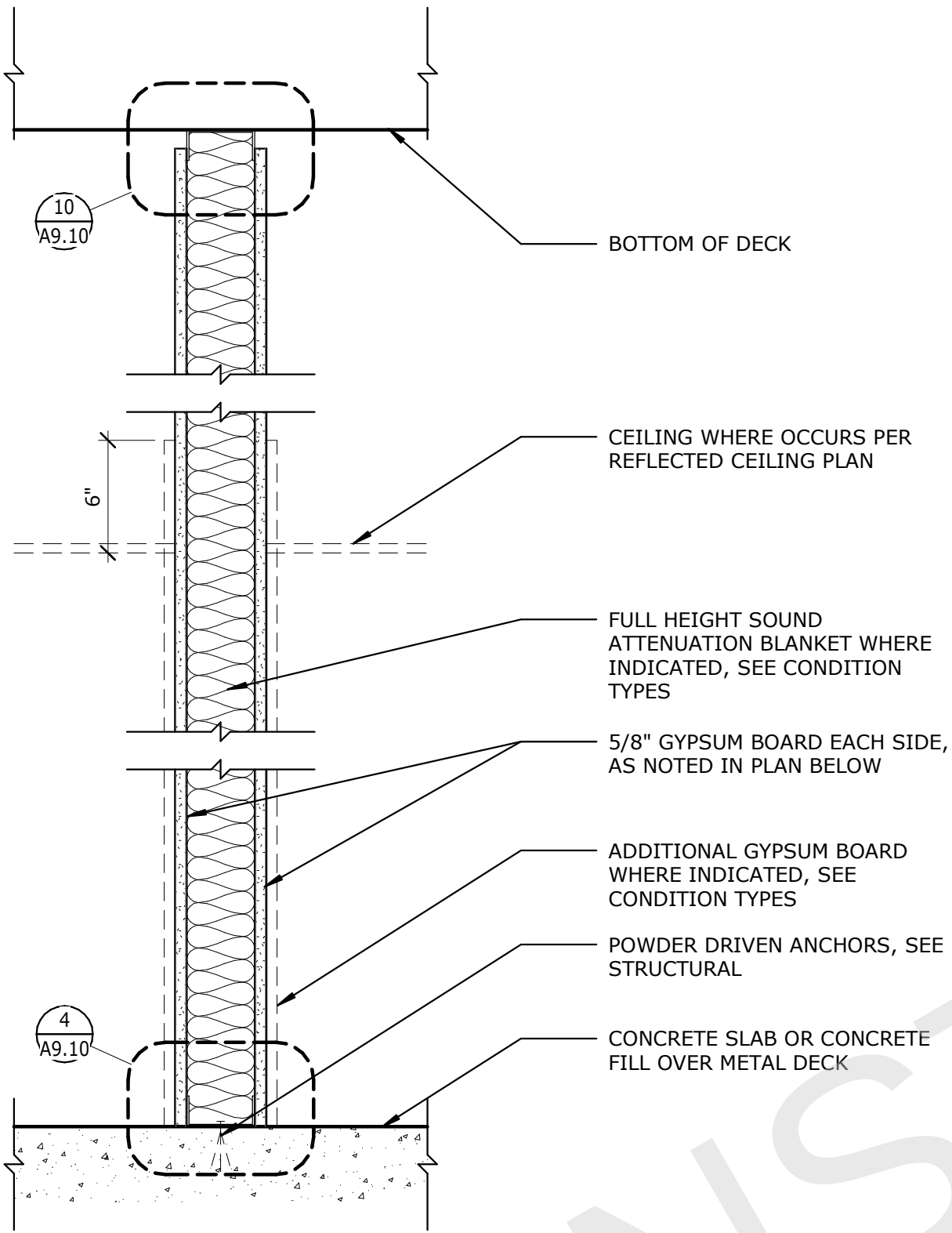
PARTITIONS - GENERAL NOTES

- ALL METAL STUD FRAMING TO BE 16" O.C. MAX. UNLESS OTHERWISE NOTED.
- FOR USE OF MOISTURE RESISTANT GYPSUM BOARD AND CEMENT BACKER UNITS IN WET AREAS, SEE SPECIFICATIONS SECTION 09 29 00.
- FOR USE OF CEMENTITIOUS BACKER UNITS AT TILE, SEE SPECIFICATIONS SECTION 09 30 13.
- PARTITION TYPES INDICATE REQUIRED STUD DEPTHS PER PLANS. PROVIDE GAUGES FOR THE HEIGHTS AND ASSEMBLIES REQUIRED, PER STRUCTURAL DRAWINGS OR SCHEDULE.
- OVERALL DEPTH OF PARTITIONS, FOR CALCULATING DOOR AND WINDOW FRAME DEPTHS AND FOR OTHER PURPOSES, CANNOT BE DETERMINED SOLELY FROM THE INFORMATION ON THIS SHEET.
- FINISH SCHEDULES AND INTERIOR ELEVATIONS INDICATE REQUIREMENTS FOR ITEMS TO BE APPLIED TO, AND COORDINATED WITH, PARTITION CONSTRUCTION.
- FIRE RATED PARTITION TYPES, AND REFERENCED ASSEMBLY TYPES SUCH AS 'UL' AND 'GA', INDICATE THE MINIMUM REQUIREMENTS FOR LIFE SAFETY CODE COMPLIANCE. ACTUAL CONSTRUCTION SHALL INCLUDE APPLICABLE REQUIREMENTS ON STRUCTURAL DRAWINGS FOR ATTACHMENTS, STUD SPACING AND GAUGE, EXCEPT WHERE THEY DO NOT MEET THE REFERENCED REQUIRED ASSEMBLY. WHERE SPECIFICALLY NOTED, ATTACHMENTS DETAILED FOR FIRE RATED PARTITIONS OR THEIR REFERENCED ASSEMBLIES ARE REQUIRED.
- WHERE THERE IS AN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACE, FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING IN THE CONCEALED SPACE. SUCH IDENTIFICATION SHALL INCLUDE:

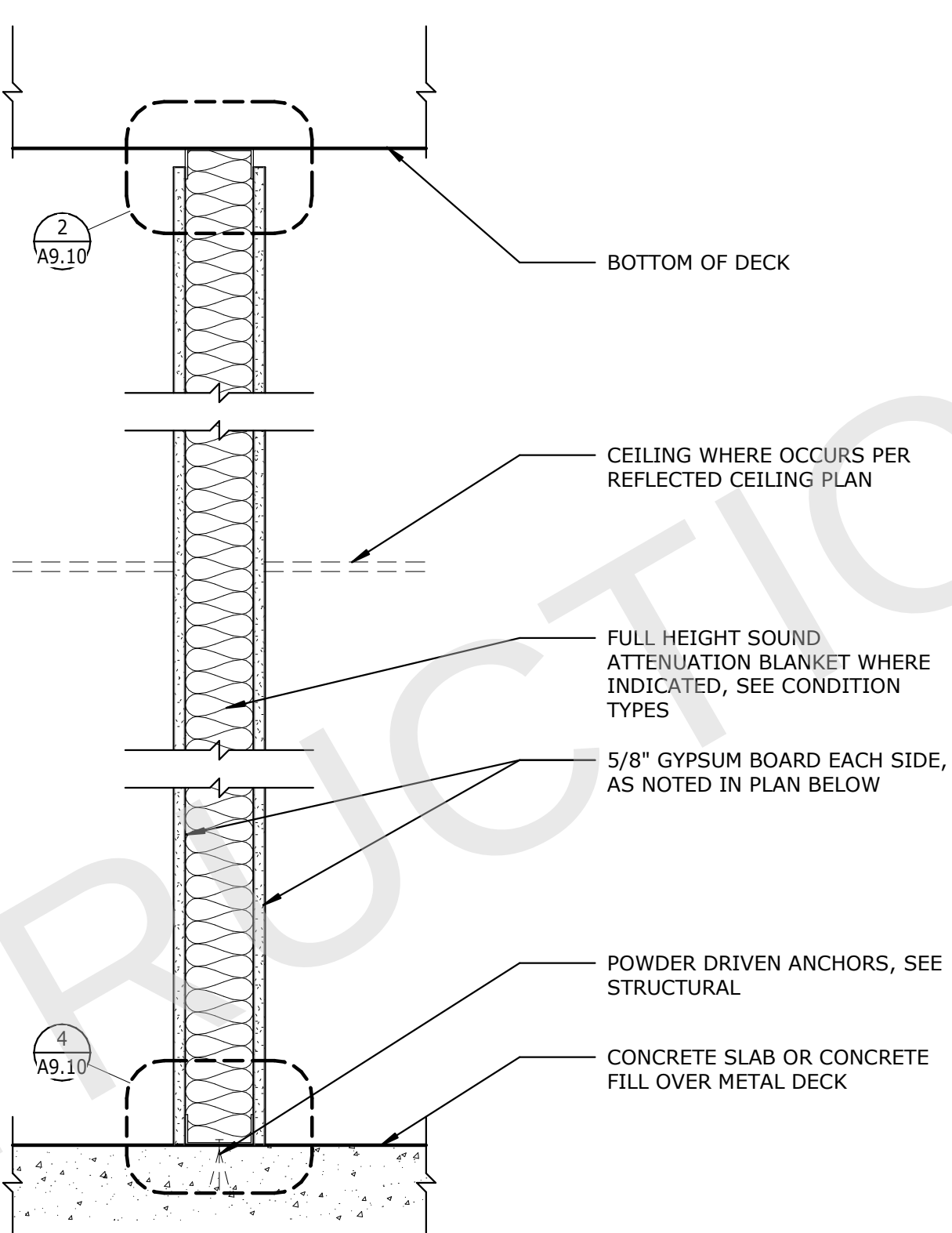
LETTERING: 3" MIN. TALL WITH A MINUM 3/8" STROKE IN CONTRASTING COLOR.
LOCATION: WITHIN 15 FEET OF EACH END OF THE WALL AND AT INTERVALS NOT TO EXCEED 30 FEET.
TYPE: AS IDENTIFIED ON PLANS.
DESCRIPTION: INCLUDES TYPE OF PARTITION, PER PLANS, FOLLOWED BY THE WORDS "PROTECT ALL OPENINGS."
- FIRE RATED PARTITIONS PER PLANS AND TYPES CORRESPOND TO REQUIRED FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS AS DESIGNATED IN CALIFORNIA BUILDING CODE (CBC) AND AS SHOWN ON PLANS.
- PROVIDE GYPSUM BOARD AND INSULATION FULL HEIGHT OF FRAMING UNLESS OTHERWISE INDICATED.
- GYPSUM BOARD CONTROL JOINTS ARE REQUIRED AT 30'-0" MAX. OR AS OTHERWISE INDICATED. COORDINATE WITH INTERIOR ELEVATIONS. FOR REQUIREMENTS AT FIRE RATED PARTITIONS, SEE TYPICAL DETAILS BELOW.

TYPICAL DETAILS:

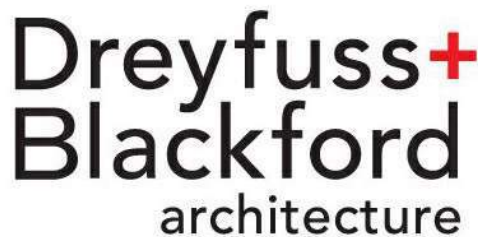
SEMI-RECESSED FIRE EXTINGUISHER CABINETS AND EQUIPMENT	6 / A9.11
SEMI-RECESSED FIRE EXTINGUISHER CABINETS AND EQUIPMENT, RATED PARTITION	10, 12 / A9.11
INTERSECTIONS AT FIRE RATED AND NON-RATED PARTITIONS	16 / A9.10.
INTERSECTIONS AT ACOUSTICAL AND NON-ACOUSTICAL PARTITIONS	14 / A9.10.
CONTROL JOINTS AT RATED PARTITIONS	12, 24 / A9.10
PENETRATION ACOUSTICAL SEALING, ALL FULL HEIGHT PARTITIONS AND PARTITIONS DESIGNATED AS ACOUSTICAL	1, 3, 5 / A9.11
TERMINATION OF RATED PARTITIONS AT EXTERIOR WALL	11, 23 / A9.10



A*1 FULL HEIGHT PARTITION - 1 HOUR
1 1/2" = 1'-0"



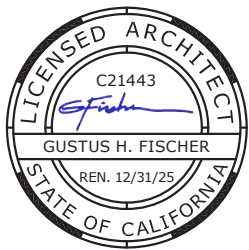
A*0 FULL HEIGHT PARTITION - NON-RATED
1 1/2" = 1'-0"



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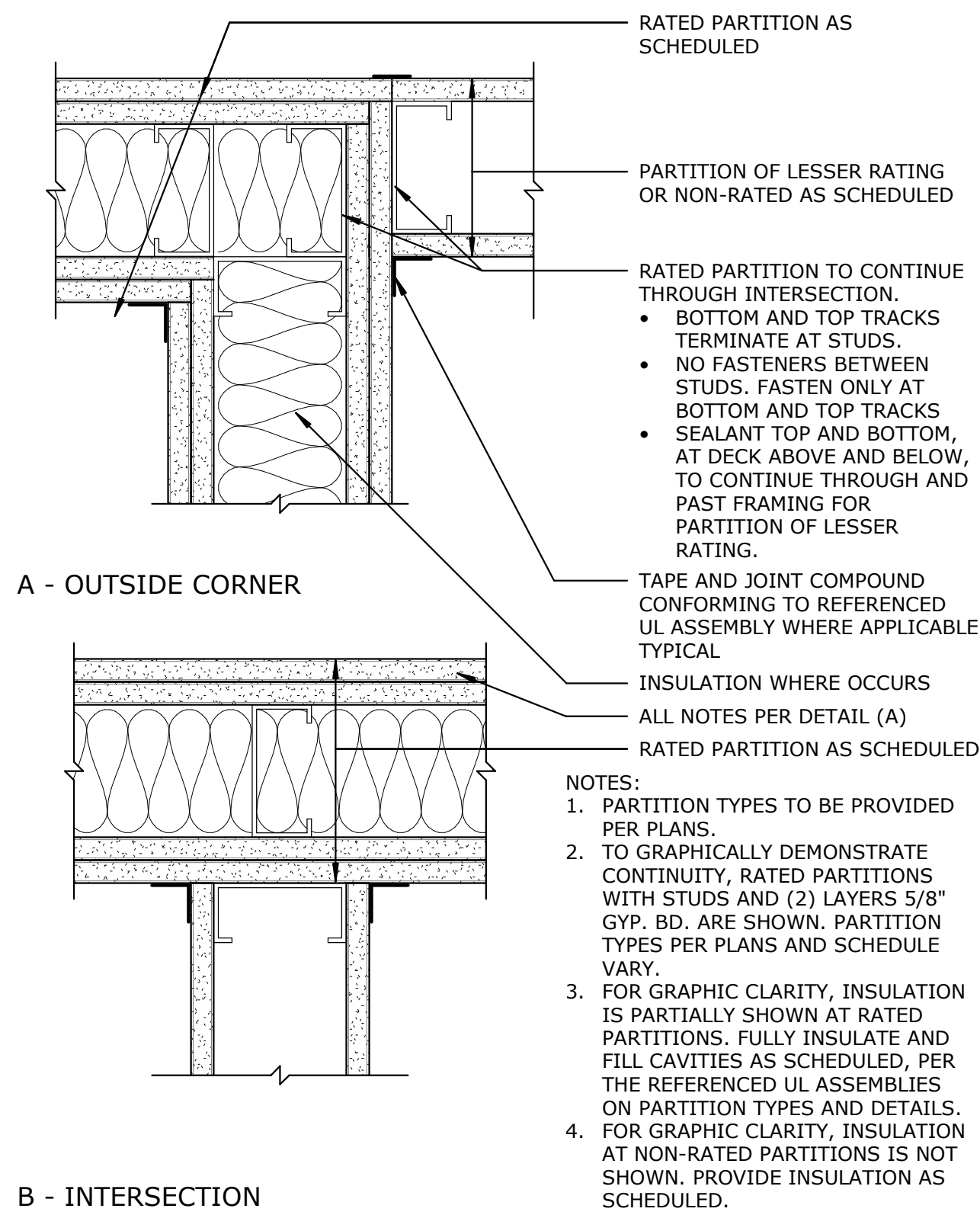
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INTERIOR PARTITION TYPES

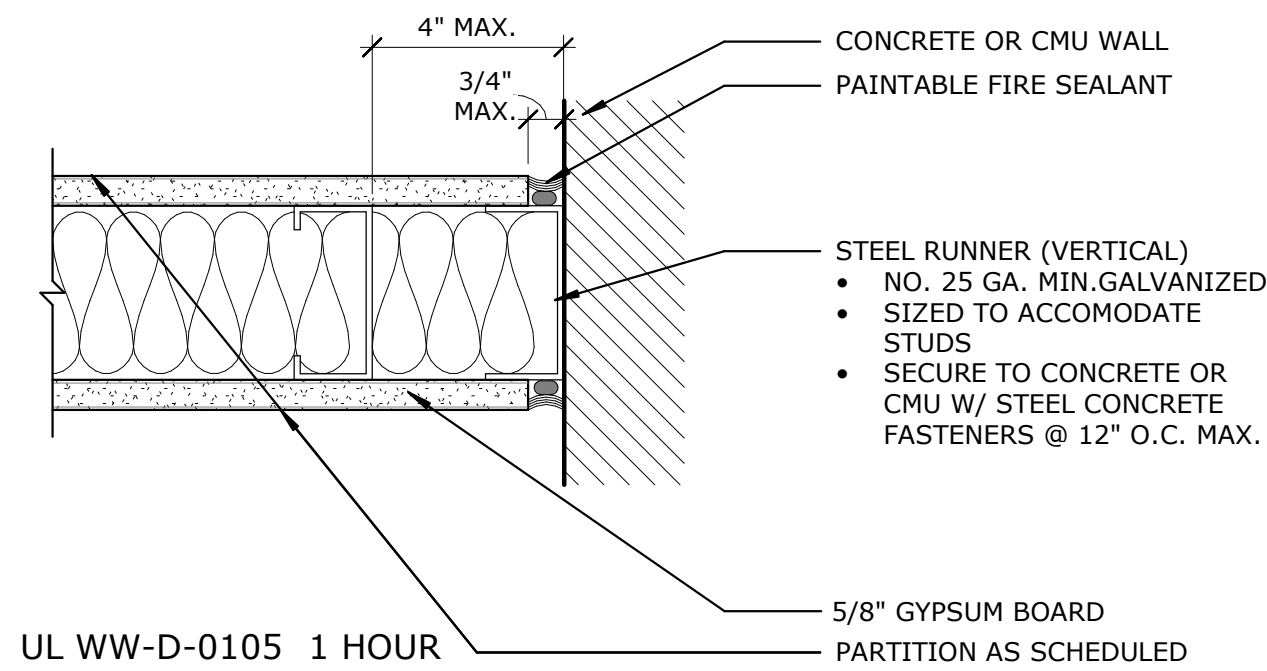
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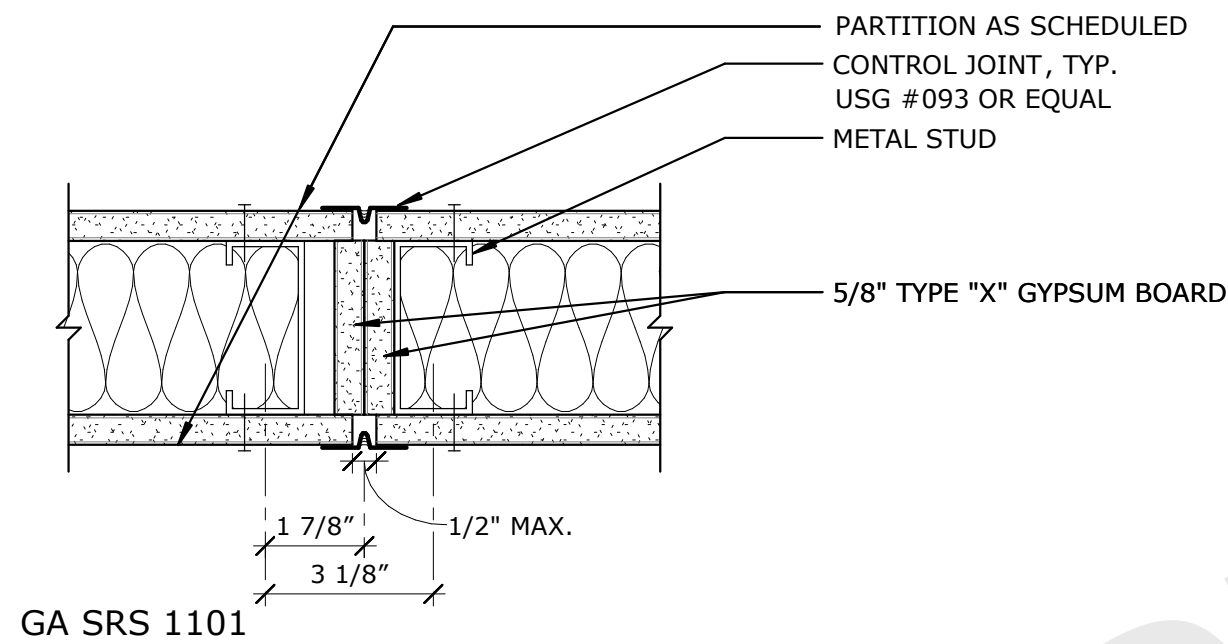
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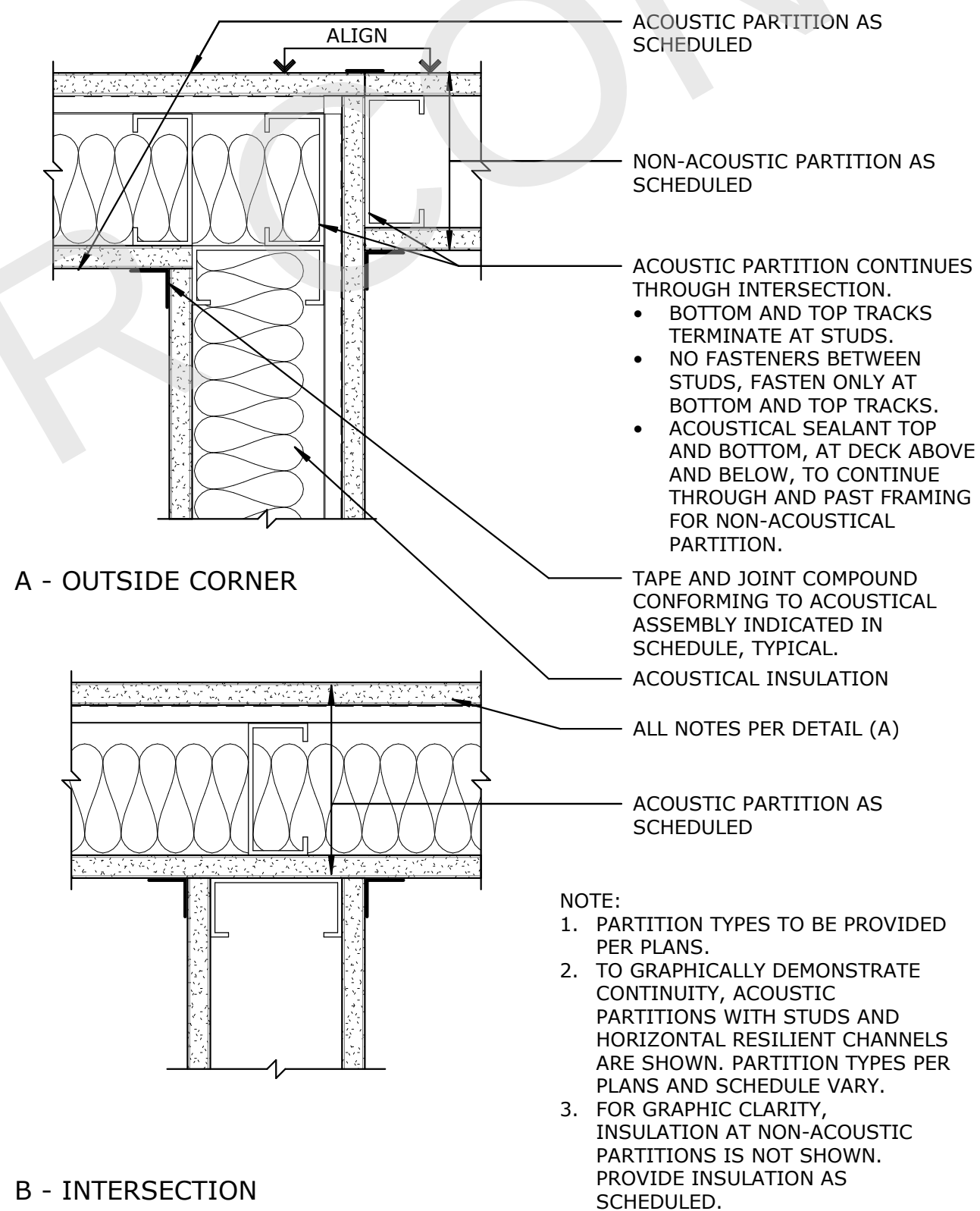
16 TYPICAL INTERSECTION OF RATED & NON-RATED PARTITIONS
3" = 1'-0"



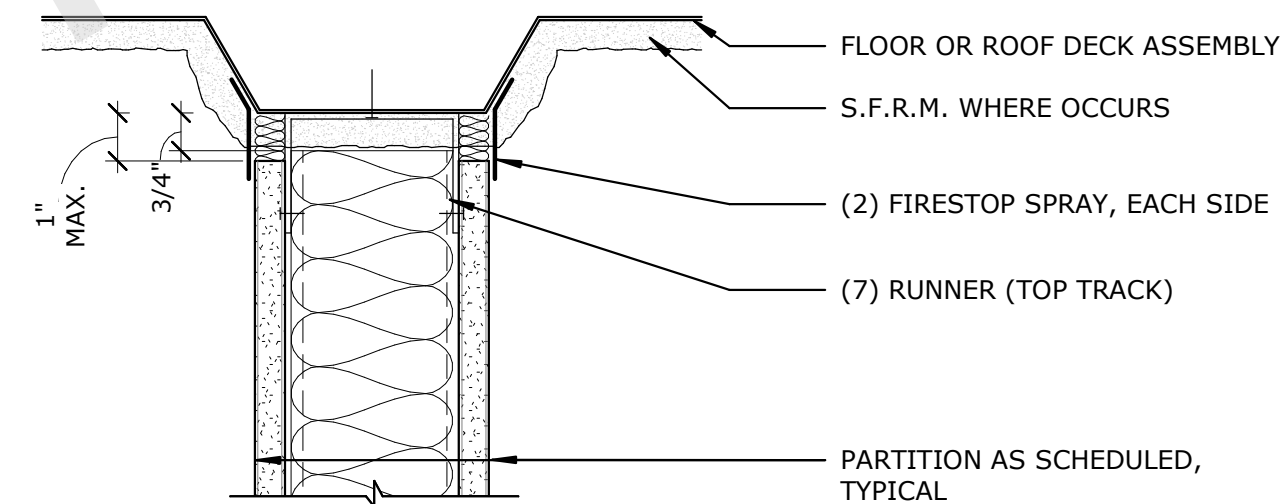
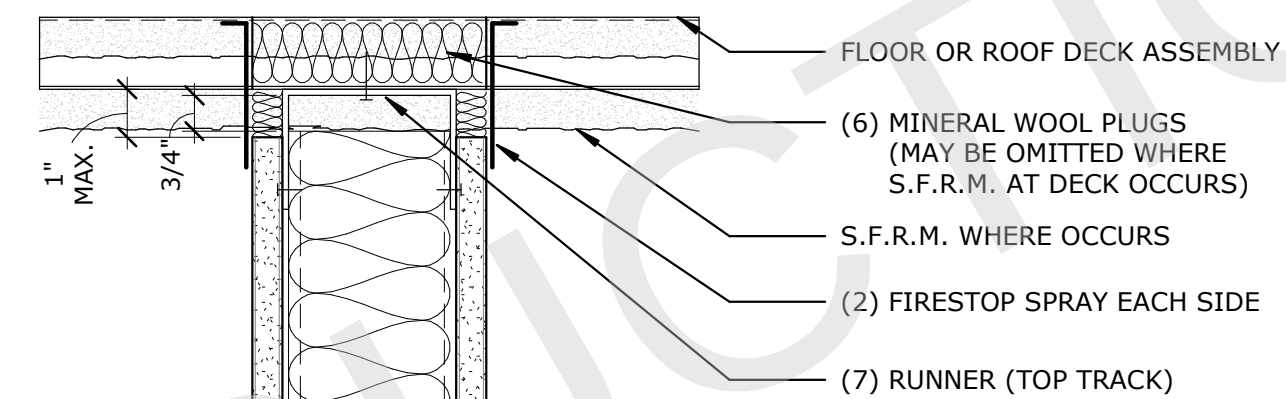
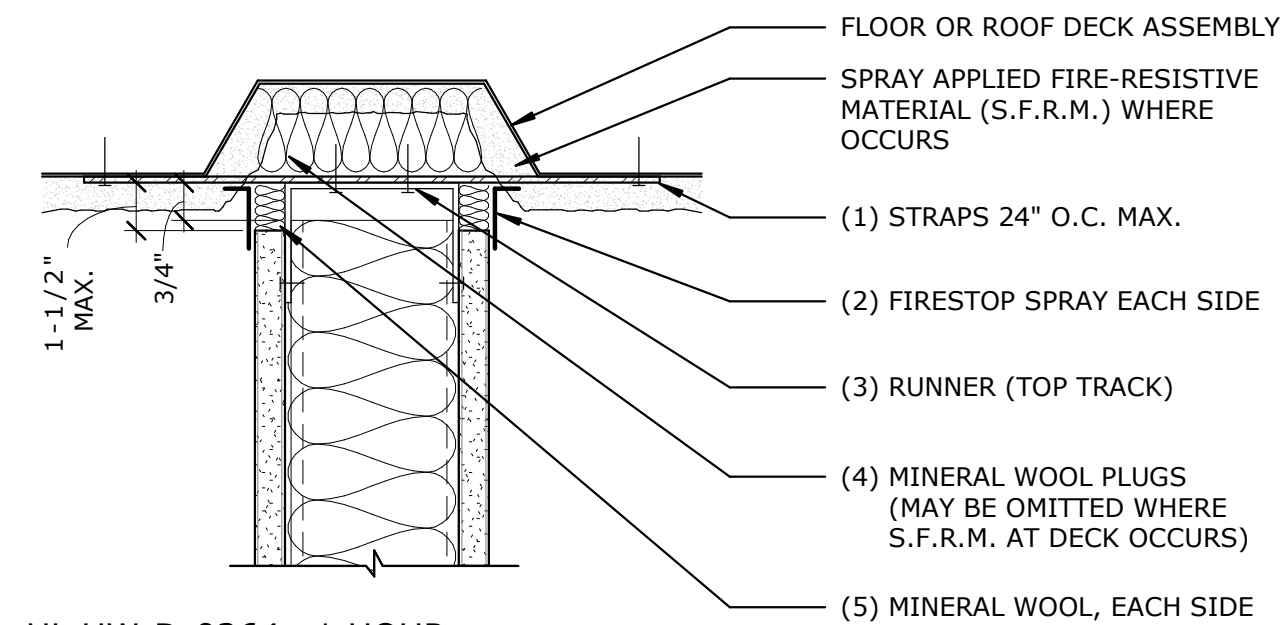
11 END AT RATED PARTITION - 1 HOUR
3" = 1'-0"



12 CONTROL JOINT AT 1 HOUR RATED PARTITION
3" = 1'-0"



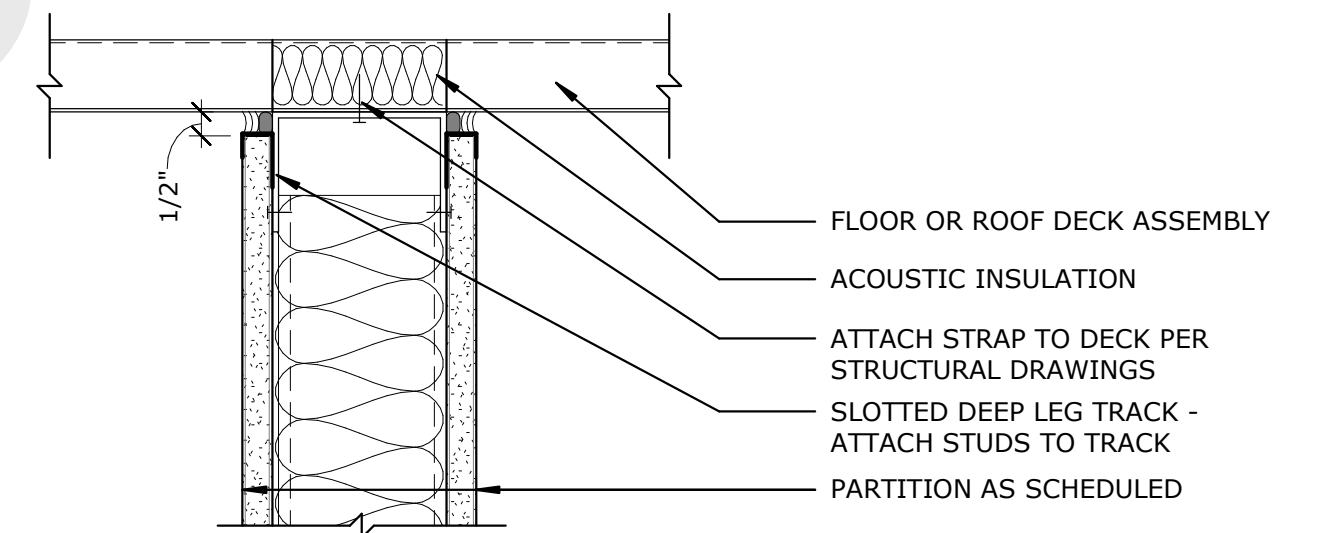
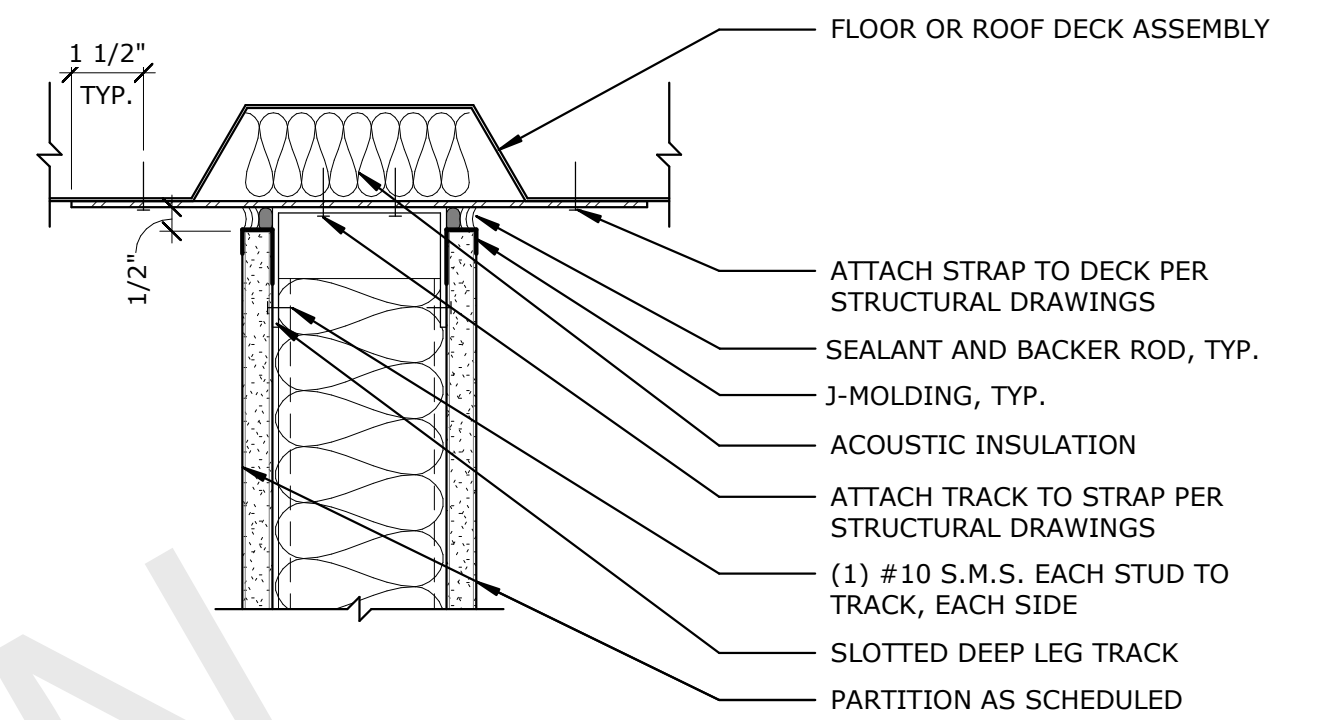
14 TYPICAL INTERSECTION OF ACOUSTIC & NON-ACOUSTIC PARTITIONS
3" = 1'-0"



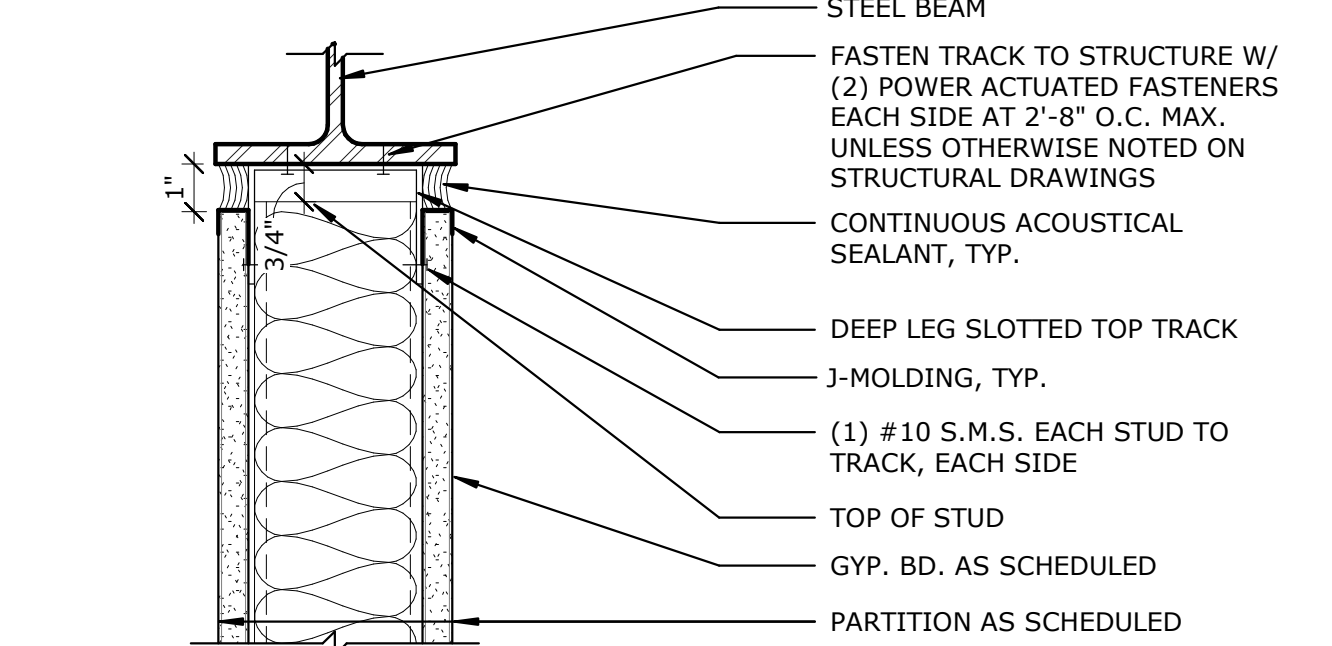
NUMBERED NOTES:

- (1) METAL STRAPS AT 24" O.C. MAX.
 - 2" WIDE MIN., 16 GA. MIN., CUT TO LENGTH TO OVERLAP ADJACENT VALLEY FLUTE 1-1/2" MIN.
 - FASTEN TO DECK W/ 1/4" DIA. x 1-1/2" LONG STEEL CONCRETE ANCHOR, EA. SIDE.
 - ALTERNATE FASTENING: 1" MIN. LENGTH HILTI X-DNI 27 P8 S15 OR X-U 27 P8 S15 POWER ACTUATED FASTENERS
- (2) FIRESTOP SPRAY, CONTINUOUS 1/8" THICK, EA. SIDE OF PARTITION
 - LAP GYP. BD. AND DECK 1/2" MIN. LAP S.F.R.M. 2" MIN. WHERE OCCURS.
- (3) STEEL RUNNER
 - NO. 25 GA. MIN. GALVANIZED, SIZED TO ACCOMMODATE STUDS
 - FLANGE HEIGHT 3/4" MIN. GREATER THAN MAX. JOINT WIDTH
 - INSTALL PARALLEL TO FLUTES AND CENTERED ON VALLEY
 - SECURE TO EACH STRAP WITH (2) #8 SELF TAPPING SHEET METAL SCREWS
- (4) PREFORMED MINERAL WOOL PLUGS, TO FIT STRUCTURAL DECK.
 - FRICTION FIT TO COMPLETELY FILL FLUTES ABOVE STRAPS
 - ADJACENT LENGTHS TO BE TIGHTLY BUTTED, SEAMS 24" MIN. APART
 - ALTERNATE MATERIAL: MINERAL WOOL BATT INSULATION MATERIAL, MIN. 4 PCF DENSITY, FIELD CUT AND FRICTION FIT TO COMPLETELY FILL FLUTES.
- (5) CONTINUOUS MIN. 4 PCF DENSITY MINERAL WOOL BATT INSULATION, TYP. EACH SIDE
 - CUT TO TWICE JOINT HEIGHT, COMPRESSED 50%
- (6) MINERAL WOOL PLUGS AS IN CONDITION 'A', AND:
 - CUT TO LENGTH APPROXIMATELY EQUAL TO WALL THICKNESS AND COMPRESS 25%.
 - ALTERNATE INSTALLATION: NOM. 4 PCF DENSITY MATERIAL WOOL CUT TO SHAPE AND LENGTH NOM. 1 INCH LONGER THAN WALL THICKNESS, COMPRESS FROM ENDS AND FIRMLY PACK TO MIN. COMPRESSION RATE OF 14.3%
- (7) SLOTTED CEILING RUNNER
 - SIZED TO STUDS
 - FLANGE HEIGHT 1/4" MIN. GREATER THAN MAX. JOINT HEIGHT
 - SECURE TO DECK VALLEYS WITH STEEL MASONRY ANCHORS, STEEL FASTENERS OR WELDS 24" O.C. MAX.
 - WHERE WELD OPTION IS USED, INSTALL BEFORE S.F.R.M. WHERE IT IS INDICATED.

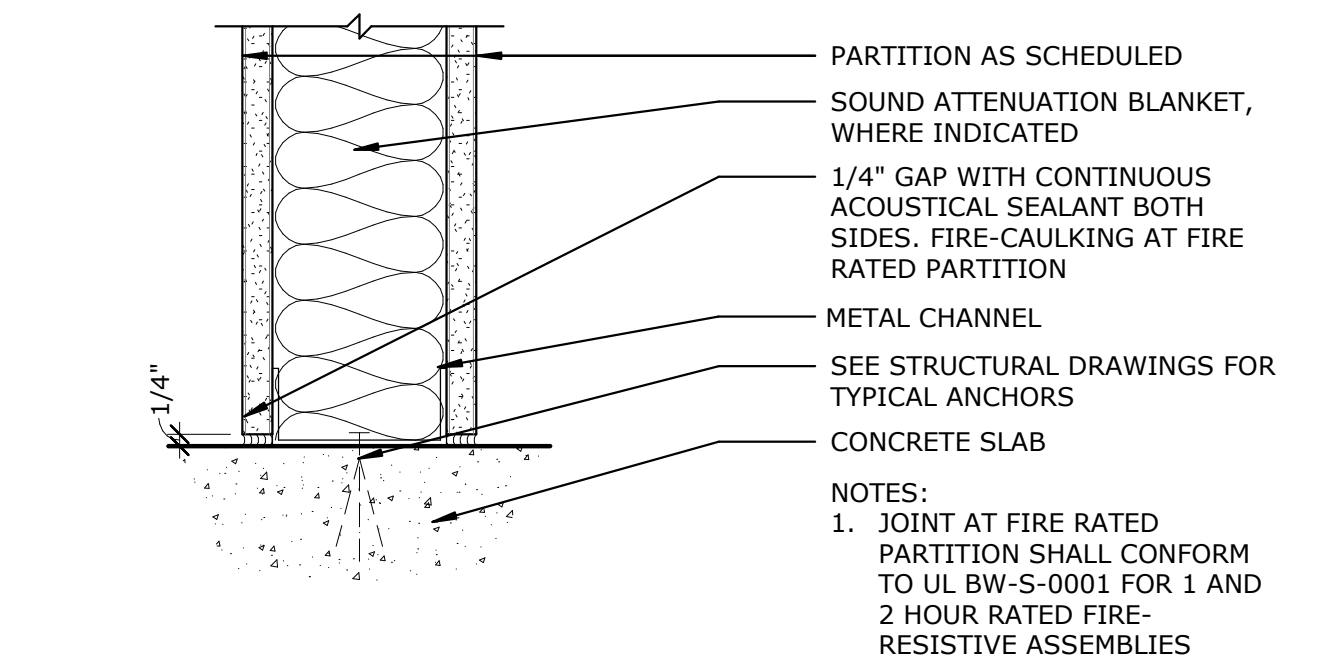
10 RATED INTERIOR PARTITION HEADS - 1 HOUR
3" = 1'-0"



2 NON-RATED INTERIOR PARTITION HEAD
3" = 1'-0"



3 NON-RATED PARTITION AT BEAM
3" = 1'-0"



4 TYPICAL BASE ATTACHMENT AT SINGLE STUD PARTITION
3" = 1'-0"

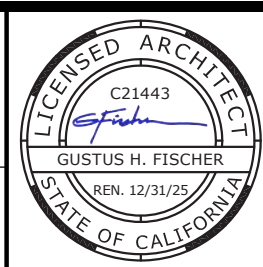
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SCALE AS SHOWN

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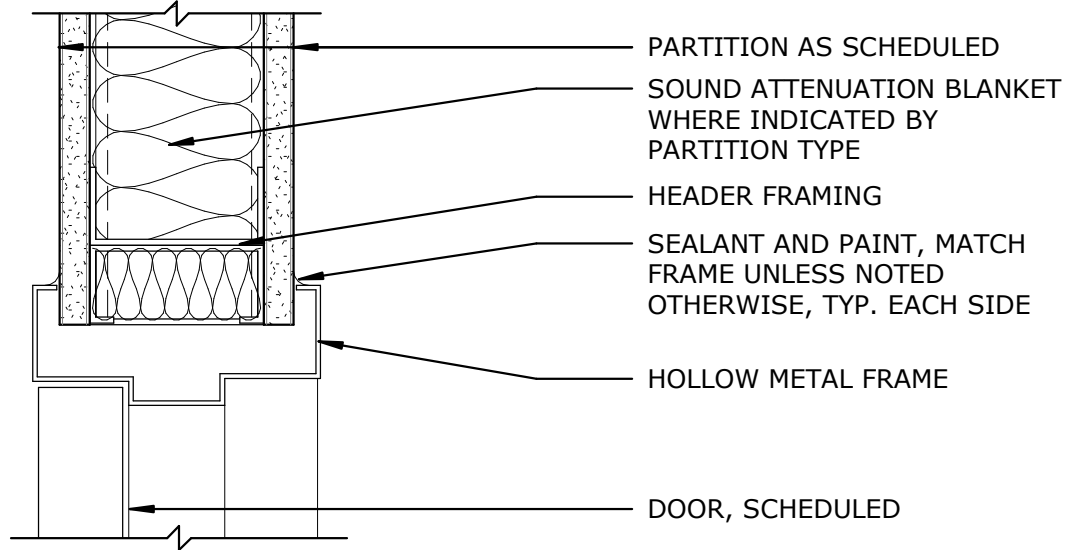


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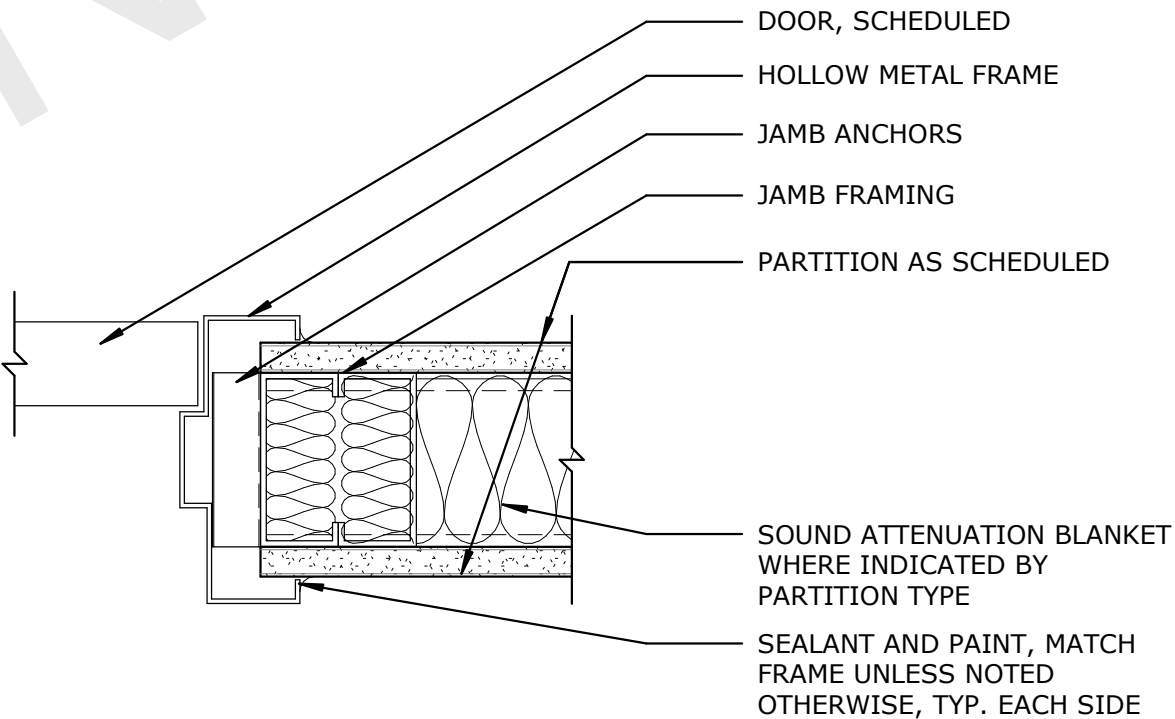
I STREET BRIDGE REPLACEMENT OPERATOR HOUSE
OVER SACRAMENTO RIVER
INTERIOR PARTITION DETAILS

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A - HEAD



B - JAMB

NOTES:
1. FOR TYPICAL OPENING FRAMING,
SEE STRUCTURAL SHEET

2 INTERIOR DOOR HEAD & JAMB - HOLLOW METAL
3" = 1'-0"

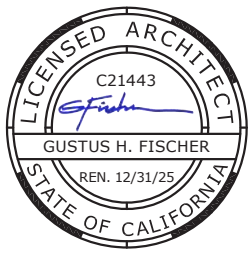
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ABBREVIATIONS:

A.B.	ANCHOR BOLT	L.L.V. (OR LLV)	LONG LEG VERTICAL
ADDL	ADDITIONAL	LLBB	LONG LEG BACK TO BACK
ADJ.	ADJACENT	LLH	LONG LEG HORIZONTAL
A.F.F. (OR AFF)	ABOVE FINISH FLOOR	LONG.	LONGITUDINAL
ACI	AMERICAN CONCRETE INST.	LSH	LONG SLOTTED HOLE
AISC	AMERICAN INSTITUTE OF STEEL CONST.	LSL	LAM. STRAND LUMBER (TIMBERSTRAND LSL)
ASI	AMERICAN IRON AND STEEL INST.	LVL	LAM. VENEER LUMBER (MICROLLAM LVL)
ANSI	AMERICAN NATIONAL STANDARDS INST.	MANUF.	MANUFACTURE
AWS	AMERICAN WELDING SOCIETY.	MAX.	MAXIMUM
ARCH'L	ARCHITECTURAL	M.B. (OR MB)	MACHINE BOLT
B.F.F. (OR BFF)	BELOW FINISH FLOOR	MECH'L	MECHANICAL
BLKG	BLOCKING	M.E.P. (OR MEP)	MECH'L. ELECT. PLUMB.
B.N. (OR BN)	BOUNDARY NAILING	MIN.	MINIMUM
B.O.S. (OR BOS)	BOTTOM OF STEEL	MIN. (OR MIN)	MINIMUM
CANT'L	CANTILEVERED	NF	NEAR FACE
CC	CENTER TO CENTER	NS	NEAR SIDE
C.I.P. (OR CIP)	CAST IN PLACE	NOM	NOMINAL
C.B.A.	CONCRETE BONDING AGENT	NTS	NOT TO SCALE
C.J. (OR CJ)	CONTROL JOINT	NO.	NUMBER
CJP	COMPLETE JOINT PENETRATION WELD	O.C. (OR OC)	ON CENTER
C.L. (OR 4)	CENTER LINE	OPP	OPPOSITE
CLG.	CEILING	OD	OUTSIDE DIAMETER
CLR.	CLEAR	PAF	POWDER-ACTUATED FASTENER
C.M.U. (OR CMU)	CONCRETE MASONRY UNIT COLUMN	PCF	POUNDS PER CUBIC FOOT
COL.	COLUMN	PSF	POUNDS PER SQUARE FOOT
CONN (OR CONX)	CONNECTION	PSI	POUNDS PER SQUARE INCH
CONC.	CONCRETE	PJP	PARTIAL JOINT PENETRATION WELD
CONST.	CONSTRUCTION	PL	PLATE
CONT.	CONTINUOUS	PLWD.	PLYWOOD
DET	DETAIL	PT	PARALLEL STRAND LUMBER (PARALLAM PSL)
DF	DOUGLAS FIR	PTDF	POST TENSIONED
DIAG	DIAGONAL	PTHF	PRESSURE-TREATED DF
DIMS (OR DIM)	DIMENSION	REINF.	PRESSURE-TREATED HEM-FIR
DIA. Ø	DIAMETER	REQ'D (OR REQD)	REINFORCING, REINFORCED, REINFORCING
D.O. (OR DO)	DITTO, OR DO OVER (REPEAT)	SCHED.	REQUIRED SCHEDULE
DWGS.	DRAWINGS	SDS	SELF-DRILLING SCREW
(E)	EXISTING	SECT	SECTION
EA. (OR EA)	EACH	SHT.	SHEET
E.F. (OR EF)	EACH FACE	SHTG.	SHEATHING
ELEV	ELEVATION	SIM.	SIMILAR
EJ	EXPANSION JOINT	S.G.D.	SMOOTH, GREASED DOWEL
EMBED	EMBEDMENT	S.J.I. (OR SJJI)	STEEL JOIST INSTITUTE
E.N. (OR EN)	EDGE NAILING	S.M.S.	SHEET METAL SCREWS STANDARD
EQ. (OR EQ)	EQUAL	STD	STANDARD
EQUIP	EQUIPMENT	STRUCT.	STRUCTURAL
E.S. (OR ES)	EDGE SCREWS	STS	SELF TAPPING SCREW
E.W. (OR EW)	EACH WAY	SYM	SYMMETRIC
FND., FDN.	FOUNDATION	T.C. (OR TC)	TENSION-CONTROL (BOLTS)
FIN. FL. (OR FF)	FINISH FLOOR	T.J.	TRUSS JOIST MACMILLAN ("I" JOIST)
F.N.	FIELD NAILING	T/B, T&B	TOP AND BOTTOM
F.P.	FULL PENETRATION WELD	T.O.B	TOP OF BEAM
FT	FEET	T/CONC	TOP OF CONCRETE
FTG	FOOTING	T/FTG	TOP OF FOOTING
FS	FAR SIDE	T/G	TONGUE AND GROOVE
GA	GAGE OR GAUGE	T.O.P.	TOP OF PLYWOOD
GALV.	GALVANIZED	T.O.S., TOS T/S	TOP OF STEEL
GLB	GLUE LAM. BEAM	T/SLAB	TOP OF SLAB
HCA	HEADED CONCRETE ANCHOR	T.O.W., TOW, T/W	TOP OF WALL
HDR	HEADER	TRANS	TRANSVERSE
HD	HOLDOWN	TYP. (OR TYP)	TYPICAL
HORIZ.	HORIZONTAL	U.N.O (OR UNO)	UNLESS NOTED OTHERWISE VERTICAL
INST.	INSTITUTE	VERT.	VERTICAL
K	KIPS	VIF	VERIFY IN FIELD
KO	KNOCK OUT	W/.	WITH
KOP	KNOCK OUT PANEL	WP	WORK POINT
KSI	KIPS PER SQUARE INCH	W.P.J.	WEAKENED PLANE JOINT
LAM.	LAMINATED	W.W.F. (OR WWF)	WELDED WIRE FABRIC (REINF.)
LFRS	LATERAL FORCE RESISTING SYSTEM		

SYMBOLS:

	SLOPE DIRECTION		MECHANICAL UNIT FOOTPRINT
	SPAN DIRECTION		MECHANICAL UNIT LOCATION
BOS = XXX-XX"	BOT OF STEEL ELEV.		AND OPERATING WEIGHT FOR REFERENCE (SEE MEP DRAWINGS)
XXX-XX"	MISC. ELEVATION		
	BEAM CALLOUT (XX) INDICATES HEADED STUDS C=X INDICATE CAMBER REQD		BRACE OR WALL ELEVATION CALLOUT
	COLUMN CALLOUT BPX INDICATED BASEPLATE REQUIRED.		DETAIL SECTION CALLOUT
	BEAM TO COL. (CJP) CONN. LFRS OR GRAVITY SYSTEM.		ELEVATION INDICATOR
	BEAM TO BEAM (CJP) CONN.		WOOD SHEARWALL
	BEAM OVER THE TOP OF COLUMN (COLUMN BELOW).		
	CARRIED COLUMN (COLUMN ABOVE BEAM).		
	DIAGONAL BRACE (UP/DOWN)		EQUIPMENT PAD/CURB (CONC OR WOOD)
	LOCATION OF FOOTING STEP, CHANGE IN TOP OF FTG.		FOOTING OUTLINE BELOW GRADE FXX INDICATES FOOTING SIZE
			CMU WALL
			CAST-IN PLACE CONCRETE WALL
			OPENING

POST INSTALLED ANCHORS:

A. GENERAL

1)ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND THE REQUIREMENTS OF THE APPLICABLE CODE REPORT. SPECIAL INSPECTION FOR ALL POST INSTALLED ANCHORS AS NOTED IN THE CODE REPORT.

2)ANCHORS SHALL BE OF THE TYPE, DIAMETER AND MINIMUM DIMENSIONAL REQUIREMENTS (EMBEDMENT, SPACING, EDGE DISTANCE) AS INDICATED ON THE DRAWINGS. ALTERNATE PRODUCTS SHALL CARRY AN EVALUATION APPROVAL AND SHALL BE APPROVED BY THE STRUCTURAL ENGINEER IN WRITING PRIOR TO DELIVERY TO THE JOBSITE.

3)ANCHORS SHALL BE INSTALLED IN HOLES DRILLED WITH DRILLING EQUIPMENT OF THE TYPE REQUIRED IN THE MANUFACTURERS PUBLISHED CODE REPORT. HOLES SHALL BE CLEANED IN CONFORMANCE WITH THE ANCHOR MANUFACTURERS INSTALLATION INSTRUCTIONS.

4)ANCHOR SHALL BE TIGHTENED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

5)WHEN INSTALLING ANCHORS OR DRILL AND EPOXY REBAR INTO EXISTING REINFORCED CONCRETE, AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS OR REINFORCING TENDONS. LOCATE THE REINFORCING USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. DAMAGED REBAR MAY REQUIRE REPAIR CONTACT STRUCTURAL ENGINEER WHEN REBAR IS DAMAGED OR CUT.

B. ADHESIVE ANCHORS OR REBAR INSTALLED WITH ADHESIVE:

1)ADHESIVE ANCHOR INSTALLERS SHALL BE TRAINED BY A QUALIFIED REPRESENTATIVE OF ADHESIVE MANUFACTURER ON THE PROPER PROCEDURES AND TECHNIQUES FOR INSTALLATION.

2)ADHESIVE SHALL BE STORED ON THE JOBSITE IN A COOL, DRY LOCATION IN CONFORMANCE WITH THE MANUFACTURER'S REQUIREMENTS.

3)ADHESIVE ANCHORS SHALL NOT BE USED FOR OVERHEAD INSTALLATION UNLESS SPECIFICALLY DETAILED IN THE STRUCTURAL DRAWINGS. PISTON PLUGS OR SIMILAR SHALL BE USED DURING OVERHEAD INSTALLATION

4)ADHESIVE ANCHORS SHALL BE INSTALLED WHILE CONCRETE IS DRY AND ALLOWED TO CURE FULLY PRIOR TO REINTRODUCING WATER TO SYSTEM.

5)ADHESIVE ANCHORS FOR INSTALLATION IN SOLID NORMAL-WEIGHT CONCRETE SHALL BE ONE OF THE FOLLOWING AS NOTED ON THE PLAN:

BRAND/TYPE	CODE REPORT
HILTI HIT-RE 500 V3	(ESR-3814)
HILTI HIT-HY 200	(ESR-3187)
SIMPSON SET-3G	(ESR-4057)
SIMPSON AT-XP	(ER-263)

6)ADHESIVE ANCHORS FOR INSTALLATION IN MASONRY SHALL BE ONE OF THE FOLLOWING AS NOTED ON THE PLAN:

BRAND/TYPE	CODE REPORT
HILTI HIT-HY-200	(ESR-3963) SOLID GROUTED MASONRY
SIMPSON AT-XP	(ER-281) SOLID GROUTED MASONRY

C. EXPANSION ANCHORS FOR INSTALLATION IN CONCRETE OR MASONRY SHALL BE ONE OF THE FOLLOWING AS NOTED ON THE PLAN:

BRAND/TYPE	CODE REPORT
HILTI KWIK BOLT (TZ2)	(ESR-4288) CONCRETE
SIMPSON STRONG-BOLT 2	(ESR-3037) CONCRETE
SIMPSON STRONG-BOLT 2	(ESR-240) SOLID GROUTED MASONRY

D. SCREW ANCHORS IN CONCRETE OR MASONRY SHALL BE ONE OF THE FOLLOWING AS NOTED ON THE PLAN:

BRAND/TYPE	CODE REPORT
HILTI KH-EZ	(ESR-3027) CONCRETE
HILTI KH-EZ	(ESR-3056) SOLID GROUTED MASONRY
SIMPSON TITEN HD	(ESR-2713) CONCRETE
SIMPSON TITEN HD	(ESR 1056) SOLID GROUTED MASONRY

E. POWDER ACTIVATED FASTENERS (PAF) IN CONCRETE, MASONRY OR STRUCTURAL STEEL SHALL BE ONE OF THE FOLLOWING AS NOTED ON THE PLAN:

BRAND/TYPE	CODE REPORT
HILTI X-U	(ESR-2269) CONCRETE/CMU/STEEL
HILTI X-P	(ESR-2269) CONCRETE
SIMPSON PDPA-XXX	(ESR-2138) CONCRETE/MASONRY
SIMPSON PDPA-XXX	(ESR-2138) STEEL

F.INSTALLATIONS REQUIREMENTS

1)WHERE FIELD TESTING OF POST INSTALLED ANCHORS IS REQUIRED, TEST ANCHORS IN ACCORDANCE WITH THE FOLLOWING SCHEDULE UNO:

- TEST 100% OF ANCHORS USED AT ALL STRUCTURAL APPLICATIONS.
- TEST 50% OF ANCHORS USED AT NON-STRUCTURAL APPLICATIONS.
- TEST 10% OF ANCHORS AT SILL PLATE BOLTING APPLICATIONS.
- IF ANY ANCHORS FAIL TESTING, TEST ALL ANCHORS OF THE SAME TYPE NOT PREVIOUSLY TESTED UNTIL 20 CONSECUTIVE ANCHORS PASS.
- TESTING SHALL BE TENSION TESTS FOR DRILL AND EPOXY ANCHORS AND TORQUE TESTS FOR EXPANSION ANCHORS.
- TENSION TESTS: APPLY TEST LOADS TO ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT POSSIBLE, REMOVE NUT AND INSTALL A THREADED COUPLER TO THE SAME TIGHTNESS AS THE ORIGINAL NUT USING A TORQUE WRENCH. REACTION LOADS FROM TEST FIXTURE MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWAL BY THE TESTING FIXTURE. TO BE ACCEPTABLE ANCHORS SHALL HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. OBSERVABLE MOVEMENT IS DEFINED AS THE WASHER UNDER THE NUT BECOMING LOOSE.
- TORQUE TESTS: TO BE ACCEPTABLE THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN ONE-HALF TURN OF THE NUT. USE MANUFACTURER'S INSTALLATION TORQUE PER CALIBRATED WRENCH.
- TEST EQUIPMENT IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH MANUFACTURER CRITERIA AND STANDARD RECOGNIZED PROCEDURES.
- FIELD TESTING SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR.
- TESTING OF EPOXY DOWELS AT JOINTS BETWEEN NEW AND EXISTING SLAB ON GRADE IS NOT REQUIRED.
- TESTING OF #3 EPOXY DOWELS AT CURBS AND HOUSEKEEPING PADS IS NOT REQUIRED.
- TESTING SHALL OCCUR 24 HOURS OR MORE AFTER INSTALLATION, OR AFTER EPOXY HAS CURED PER MANUFACTURER'S RECOMMENDATIONS, WHICHEVER IS LATER.
- TESTING OF POWER ACTIVATED FASTENERS OR SHOT PINS IS NOT REQUIRED.

n.REBAR PULL TESTING VALUES:

REBAR	EMBED	f'c = 3,000 PSI		
		TENSION TEST VALUE (LBS)		
		HILTI HY-200	HILTI RE-500	SIMPSON SET 3G
#3	3	3,360	3,510	---
#4	4	6,810	6,150	---
#5	5	9,940	9,330	---
#6	6	13,660	12,860	---
#7	7	15,750	13,550	---
#8	8	20,670	16,540	---

REINFORCED CONCRETE:

A. GENERAL:

1)ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH ACI 318 AND CBC BUILDING CODES.

2)SPECIAL INSPECTION AND TESTING IS REQUIRED IN ACCORDANCE WITH THE BUILDING CODE, SEE "STATEMENT OF SPECIAL INSPECTIONS" ON THESE CONSTRUCTION DOCUMENTS.

3)READY MIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C94. CONCRETE SHALL NOT BE PLACED BEYOND 1 ½ HOURS FOLLOWING BATCHING

4)CEMENT SHALL CONFORM TO ASTM C150 TYPE I OR II, LOW ALKALI.

5)AGGREGATES FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C33. NORMAL WEIGHT CONCRETE SHALL HAVE A MAXIMUM DRY DENSITY OF 150 PCF.

6)AGGREGATES FOR LIGHTWEIGHT CONCRETE SHALL BE EXPANDED SHALE TYPE AND CONFORM TO ASTM C330. LIGHTWEIGHT CONCRETE SHALL HAVE A MAXIMUM DRY DENSITY OF 115 PCF.

7)FLY ASH SHALL CONFORM TO ASTM C618 CLASS F. FLY ASH SHALL BE LIMITED TO NO MORE THAN 15% OF THE TOTAL WEIGHT OF CEMENTITIOUS MATERIALS IN THE CONCRETE DESIGN WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.

8)THE CONTRACTOR SHOULD BE AWARE THAT FLY ASH USE MAY SIGNIFICANTLY RETARD THE SETTING TIME OF CONCRETE POTENTIALLY DELAYING FINISHING OPERATIONS. FURTHER FLY ASH IS EXPECTED TO RETARD THE EARLY CONCRETE STRENGTH (BEFORE 28 DAYS) THUS IF HIGH EARLY STRENGTH IS REQUIRED BY THE CONSTRUCTION SCHEDULE THE AMOUNT OF FLY ASH SHOULD BE REDUCED AND/OR THE MIX DESIGN AND/OR CURING METHODS MUST BE USED TO COMPENSATE AS NECESSARY.

9)CONCRETE MIX SHALL BE DESIGNED BY QUALIFIED TESTING LABORATORY AND SHALL BEAR THE SEAL AND SIGNATURE OF A CALIFORNIA LICENSED CIVIL ENGINEER. THE MIX DESIGN SHALL STATE THE PROJECT NAME AND INTENDED USAGE OF THE CONCRETE.

10) MIX DESIGNS SHALL BE SUBMITTED TO STRUCTURAL ENGINEER OF RECORD (SEOR) FOR REVIEW AND APPROVAL PRIOR TO USE.

11) CONSTRUCTION AND CONTROL JOINTS SHALL BE PROVIDED AS INDICATED FOR WALLS, SLABS AND OTHER ELEMENTS. THE LOCATIONS OF JOINTS NOT SPECIFICALLY INDICATED SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER AND APPROVED BY THE ARCHITECT.

12) CONDUIT, PIPES OR DUCTS SHALL NOT BE PLACED IN CONCRETE ON METAL DECK, CONCRETE COLUMNS, CONCRETE WALLS OR CONCRETE FOOTINGS UNLESS SPECIFICALLY INDICATED ON THE STRUCTURAL DRAWINGS OR APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.

13) WHERE PERMITTED BY STRUCTURAL ENGINEER, CONDUIT OR SLEEVES WITHIN SLABS AND WALLS SHALL BE PLACED WITHIN THE MIDDLE THIRD OF THE THICKNESS OF THE SLAB OR WALL. THE MAXIMUM SIZE OF CONDUIT IS ¼ OF THE SLAB OR WALL THICKNESS. CONDUITS OR SLEEVES SHALL BE SPACED AT LEAST 3 TIMES THEIR DIAMETER ON CENTER. IT IS NOT ACCEPTABLE TO CUT OR REDISTRIBUTE REBAR THAT MAY CONFLICT WITH THE CONDUIT OR SLEEVE.

B. CONCRETE STRENGTH:

1)CONCRETE SHALL BE HARD ROCK AND OBTAIN A MINIMUM 28 DAY DESIGN COMPRESSIVE STRENGTH (F'C) AS FOLLOWS:

DESCRIPTION	(F'C)	MAX W/C	SLUMP
(a) SPREAD FOOTINGS	4000 PSI	0.60	
(b) SLAB ON GRADE	4000 PSI	0.45	
(c) RETAINING WALLS	4000 PSI	0.45	
(d) CONC. OVER METAL DECK	3500 PSI	0.45	

2)MINIMUM CEMENT REQUIREMENT UNO OTHER BY CONCRETE MIX DESIGNER NOTED ABOVE:

- 5.0 SACK PER YARD FOR 2,500 PSI CONCRETE.
- 5.5 SACK PER YARD FOR 3,000 PSI CONCRETE.
- 6.0 SACK PER YARD FOR 3,500 PSI CONCRETE.

3)SLUMP: 4" (+/-) MAX. WITHOUT SUPERPLASTICIZER ADDED.

4)CURING: KEEP WET MINIMUM OF 7 DAYS OR APPLY MEMBRANE CURING COMPOUND APPROVED BY STRUCTURAL ENGINEER

5)VIBRATION: ALL CONCRETE SHALL BE VIBRATED INTO PLACE WITH A MECHANICAL VIBRATOR.

6)FORM REMOVAL: SIDE FORMS OF FOUNDATIONS AND SLABS AFTER A MINIMUM OF 2 DAYS.

7)CONCRETE IN AREAS OF SHEAR WALLS, COLUMNS, BEAMS OR SLABS WHERE REBAR APPEARS CONGESTED SHALL INCLUDE A SUPERPLASTICIZER AND/OR SMALLER AGGREGATE SIZE WITH APPROPRIATE ADJUSTMENTS FOR AIR AND CEMENT CONTENT AS NECESSARY.

8)WHERE SPECIFIED COLUMN CONCRETE STRENGTH EXCEEDS THAT OF THE SURROUNDING ELEVATED SLAB IT IS NECESSARY TO PUDDLE CONCRETE OF THE HIGHER STRENGTH FOR A PERIMETER OF 24" BEYOND THE COLUMN FACE.

C. REINFORCING MATERIALS:

1)REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60, UNO.

2)REINFORCING BARS FOR COLUMNS, WALLS AND SEISMIC ELEMENTS SHALL CONFORM TO ASTM A706 GRADE 60.

3)WELDED REINFORCING BARS SHALL BE APPROVED BY STRUCTURAL ENGINEER IN WRITING BEFORE FABRICATION. ONLY ASTM A706 GRADE 60 CAN BE WELDED WHEN APPROVED OR DETAILED.

4)WELDED WIRE REINFORCEMENT (WWF) SHALL CONFORM TO ASTM A1064 GRADE 80 USING DEFORMED WIRE.

5)FOR SLABS ON GRADE, REINFORCING SHALL BE HELD IN PLACE AT THE ELEVATION NOTED ON THE DRAWINGS BY MEANS OF CONCRETE BLOCKS, BAR CHAIRS OR OTHER APPROVED METHOD. BARS SHALL NOT BE POSITIONED BY PULLING UP WITH HOOKS AS CONCRETE IS POURED.

6)ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318) AND THE MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION (CRSI) AS MODIFIED BY THE PROJECT DRAWINGS.

7)ALL REINFORCING BAR BENDS SHALL BE MADE COLD.

8)WHERE HOOKS ARE ILLUSTRATED AS 90-DEGREE HOOKS, 180-DEGREE HOOKS MAY BE USED IN LIEU OF 90-DEGREE HOOKS.

9)REINFORCING BAR LAP SPLICES SHALL BE CLASS "B" UNO. LAP SPLICES SHALL NOT BE PERMITTED IN MOMENT FRAMES OR SHEAR WALLS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE ENGINEER IN WRITING.

10) MINIMUM LAP OF WELDED WIRE FABRIC SHALL BE 12 INCHES OR ONE FULL MESH AND ONE HALF, WHICHEVER IS GREATER.

11) DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE SPACING AND NUMBER AS THE SPECIFIED VERTICAL REINFORCING, UNO.

C. ANCHOR BOLTS (UNLESS NOTED OTHERWISE ON PLANS):

1)HOOKED BOLTS, HEADED BOLTS, THREADED RODS:

- SILL PLATES AND WOOD LEDGERS: ASTM F1555-36
- HOLDDOWN BOLTS: ASTM F1554-36 (NO HOOKS)
- WALL ANCHORS: ASTM F1554-36 (NO HOOKS)
- HIGH STRENGTH ANCHORS: ASTM F1554-55
- PEMB ANCHOR BOLTS: F1554-55.

2)ANCHOR BOLTS EXTENDING THROUGH PRESSURE TREATED WOOD SHALL BE HOT DIPPED GALVANIZED AT LEAST FOR THE PORTION OF THE BOLTS IN CONTACT WITH PRESSURE TREATMENT. HOT DIP GALVANIZED IS NOT REQUIRED FOR ANCHOR BOLTS WITH SBXD.O.T. TREATED WOOD AT MUDSILLS WITHIN WEATHER-TIGHT WALLS.

3)ANCHOR BOLTS SHALL BE HAND TIGHT IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

D. MISCELLANEOUS:

1)PROVIDE ¼" CHAMFER ON ALL EXPOSED CONCRETE EDGES UNLESS OTHERWISE NOTED ON THE PLANS.

2)ANCHOR BOLTS AND DOWELS MUST BE SECURELY SUPPORTED IN PLACE BEFORE POURING CONCRETE TO ENSURE PROPER LOCATION PER PLAN.

E. VAPOR BARRIER: ASTM E 1745 CLASS A (SAME AS W.R. MEADOWS PERMINATOR, STEGO VAPOR BARRIER, OR RYDEN VAPOR BLOCK (10 ML MIN)

F.CONCRETE BONDING AGENT (CBA):

1)SIKA ARMATEC 110 EPOCHEM

2)WR MEADOWS SEALTIGHT INTRALOK OR APPROVED EQUIVALENT.

3)PRIOR TO APPLYING CBA, EXISTING CONCRETE SURFACE SHALL BE ROUGHENED TO A ¼" AMPLITUDE AND CLEANED OF ALL DEBRIS, APPLY CBA PER MANUFACTURERS RECOMMENDATIONS.

G. FLATNESS CATEGORY USES:

1)CONVENTIONAL = UTILITY SPACES LEFT EXPOSED, NO APPLIED FINISHES.

2)MODERATELY FLAT = CARPETED FINISHES IN COMMERCIAL BUILDINGS AND LOW SPEED VEHICULAR TRAFFIC.

3)FLAT = SUITABLE FOR TILE, VINYL TILE, AND CONVENTIONAL FORK LIFT TRAFFIC IN INDUSTRIAL BUILDINGS.

4)VERY FLAT = HIGH-END INDUSTRIAL APPLICATIONS FOR HIGH SPEED FORK LIFTS AND OTHER PRODUCTION EQUIPMENT.

5)SUPER FLAT = SPECIALTY APPLICATIONS.

FOUNDATION:

A. FOUNDATION DESIGN CRITERIA:

1)THE FOUNDATION SYSTEM WAS PREPARED IN ACCORDANCE WITH THE RECOMMENDATIONS MADE BY THE GEOTECHNICAL ENGINEER OF RECORD. FOR MORE INFORMATION REFER TO THE FOLLOWING GEOTECHNICAL INVESTIGATION REPORT:

GEI CONSULTANTS
180 GRAND AVE, SUITE 950
OAKLAND, CA 94612
REPORT# 1701459
DATED 7/29/25

2)ALLOWABLE SOIL BEARING PRESSURE SHALL BE 2,500 PSF (D+L) ON PROPERLY COMPACTED FILL SOIL. THE ALLOWABLE BEARING NOTED ABOVE MAY BE INCREASED BY 1/3 /RD FOR SHORT TERM LOADING (SEISMIC AND WIND LOAD CASES).

A. FOUNDATION DESIGN CRITERIA:

1)DESIGN COEFF. OF SLIDING FRICTION

2)DESIGN MODULUS OF SUBGRADE: 150 PCI

3)RESTRAINED RET. WALLS: 60 PCF (LEVEL BACKFILL)

B. FOUNDATION CONSTRUCTION:

1)SPECIAL INSPECTION AND TESTING IS REQUIRED IN ACCORDANCE WITH THE BUILDING CODE. SEE "STATEMENT OF SPECIAL INSPECTIONS" ON THESE CONSTRUCTION DOCUMENTS. EXCAVATIONS FOR FOOTINGS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE.

2)PLACE REINFORCING STEEL AND CONCRETE AS SOON AS POSSIBLE AFTER EXCAVATION FOR THE FOUNDATION, USE NECESSARY SPACERS AND DOBIE/CHAIR/STANDS AS REQUIRED.

3)CONCRETE SHALL OBTAIN THE SPECIFIED 28-DAY CONCRETE COMPRESSIVE STRENGTH PRIOR TO BACK-FILLING UNLESS OTHERWISE APPROVED BY THE STRUCTURAL ENGINEER.

4)FOOTING AND UTILITY TRENCH BACKFILL SHALL BE MECHANICALLY COMPACTED IN LAYERS SUBJECT TO THE APPROVAL OF THE GEOTECHNICAL ENGINEER. FLOODING WILL NOT BE PERMITTED.

5)ALL ABANDONED FOOTINGS, UTILITIES, ETC, THAT INTERFERE WITH THE NEW CONSTRUCTION SHALL BE REMOVED.

6)FOOTING DEPTHS INDICATED ON THE STRUCTURAL DRAWINGS ARE MINIMUMS ASSUMING THAT SUITABLE BEARING MATERIALS AND SOIL PREPARATION HAS BEEN MET PER THE GEOTECHNICAL REPORT. THE GEOTECHNICAL INSPECTOR MAY REQUIRE INCREASED FOUNDATION DEPTHS TO MEET THE ASSUMED IN-SITU CONDITIONS. THE RESPONSIBILITY FOR CONFORMING TO THE GEOTECHNICAL REPORT RECOMMENDATIONS SHALL BEAR ON THE CONTRACTOR.

7)CAST-IN-PLACE ANCHOR BOLTS, DOWELS AND HOLD-DOWN ANCHORS SHALL BE TIED IN PLACE PRIOR TO FOUNDATION INSPECTION.

8)TEMPORARY SHORING SHALL BE PROVIDED FOR RETAINING WALLS THAT ARE DESIGNED AS "RESTRAINED" AT BOTH THE TOP AND BOTTOM OF THE WALL. SHORING SHALL REMAIN IN PLACE UNTIL CONCRETE RE

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CBC 2022 (TABLE 1705.3 - CONCRETE SPECIAL INSPECTION)

TABLE 1705.3
REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION

TYPE	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	—	X	ACI 318 Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
2. REINFORCING BAR WELDING: A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706; B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND C. INSPECT ALL OTHER WELDS.	— X	 X X 	 AWS D1.4 ACI 318: 26.5.4	—
3. INSPECT ANCHORS CAST IN CONCRETE.	—	X	ACI 318: 17.8.2	—
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS: A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS; B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A.	 X 	 X 	 ACI 318: 17.8.2.4 ACI 318: 17.8.2	—
5.VERIFY USE OF REQUIRED DESIGN MIX.	—	X	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	—	ASTM C172 ASTM C31 ACI 318: 26.5, 26.12	1908.10
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	—	ACI 318: 26.5	1908.6, 1908.7, 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	—	X	ACI 318: 26.5.3-26.5.5	1908.9
9. INSPECT PRESTRESSED CONCRETE FOR: A. APPLICATION OF PRESTRESSING FORCES; AND B. GROUTING OF BONDED PRESTRESSING TENDONS.	 X X	— —	ACI 318: 26.10	—
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	—	X	ACI 318: 26.9	—
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	—	X	ACI 318: 26.11.2	—
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	—	X	ACI 318: 26.11.2(b)	—

FOR SI: 1 INCH = 25.4 mm

- a. WHERE APPLICABLE, SEE SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.
- b. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK.
- c. [OSHPD 1R, 2 & 5] INSTALLATION OF ALL ADHESIVE ANCHORS IN HORIZONTAL AND UPWARDLY INCLINED POSITIONS SHALL BE PERFORMED BY AN ACI/CRSI CERTIFIED ADHESIVE ANCHOR INSTALLER, EXCEPT WHERE THE FACTORED DESIGN TENSION ON THE ANCHORS IS LESS THAN 100 POUNDS AND THOSE ANCHORS ARE CLEARLY NOTED ON THE APPROVED CONSTRUCTION DOCUMENTS OR WHERE THE ANCHORS ARE SHEAR DOWELS ACROSS COLD JOINTS IN SLABS ON GRADE WHERE THE SLAB IS NOT PART OF THE LATERAL FORCE-RESISTING SYSTEM.

CBC 2022 (TABLE 1705.6 - SOILS SPECIAL INSPECTION)

TABLE 1705.6
REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS

TYPE	CONTINUOUS	PERIODIC
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	—	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	—	X
3.PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	—	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	—
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	—	X

S0.3

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FIELD BOOK
SCALE

CITY OF SACRAMENTO
DEPARTMENT OF PUBLIC WORKS

DRAWN BY:ATL

DESIGNED BY:JS

CHECKED BY:JAL

REGISTERED PROFESSIONAL ENGINEER
NO. 10000
EXPIRATION DATE 12/31/26
JERRY A. LEE
CIVIL
STATE OF CALIFORNIA

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I STREET BRIDGE REPLACEMENT OPERATOR HOUSE OVER SACRAMENTO RIVER
GENERAL NOTES

C1007.00

SHEET
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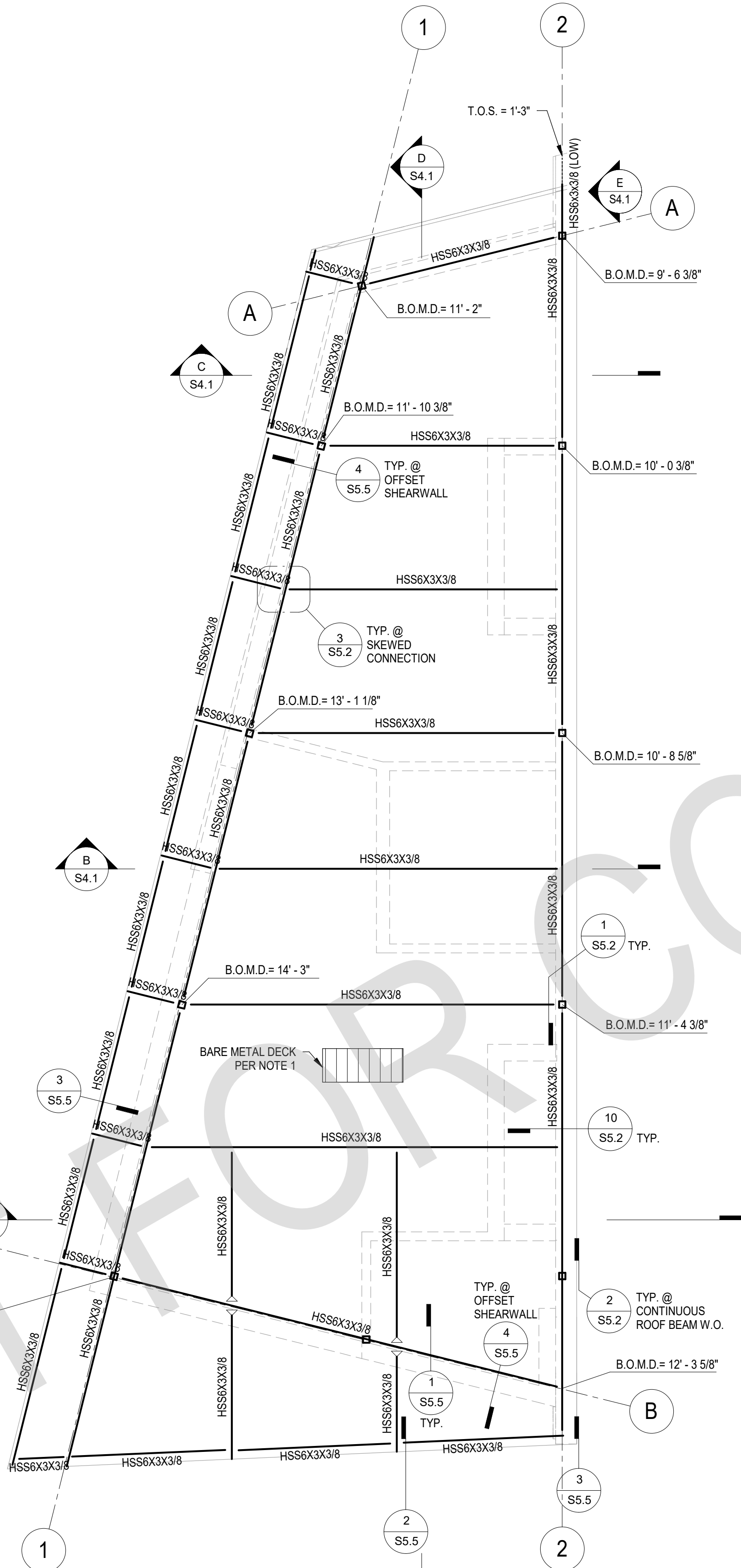
ROOF FRAMING NOTES

1. TYPICAL UNLESS NOTED OTHERWISE:
18 GA. PLB-36 GRADE 50 ROOF DECK, SEISMIC DIAPHRAGM
SHEAR FOR BOTH ENDS LAPPED DECK W/ HILTI X-ENP19
PAF CONNECTIONS TO SUPPORTS 36/74 PERPENDICULAR
CONNECTION PATTERN TO SUPPORTS W/ PUNCHLOK II
CONNECTION (VSSC2) SIDELAP CONNECTIONS, THRU OUT
UNO, DECK SHALL BE CONTINUOUS OVER 3 OR MORE
SPANS. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL
INSULATING REQUIREMENTS. FOR PROFILE SEE

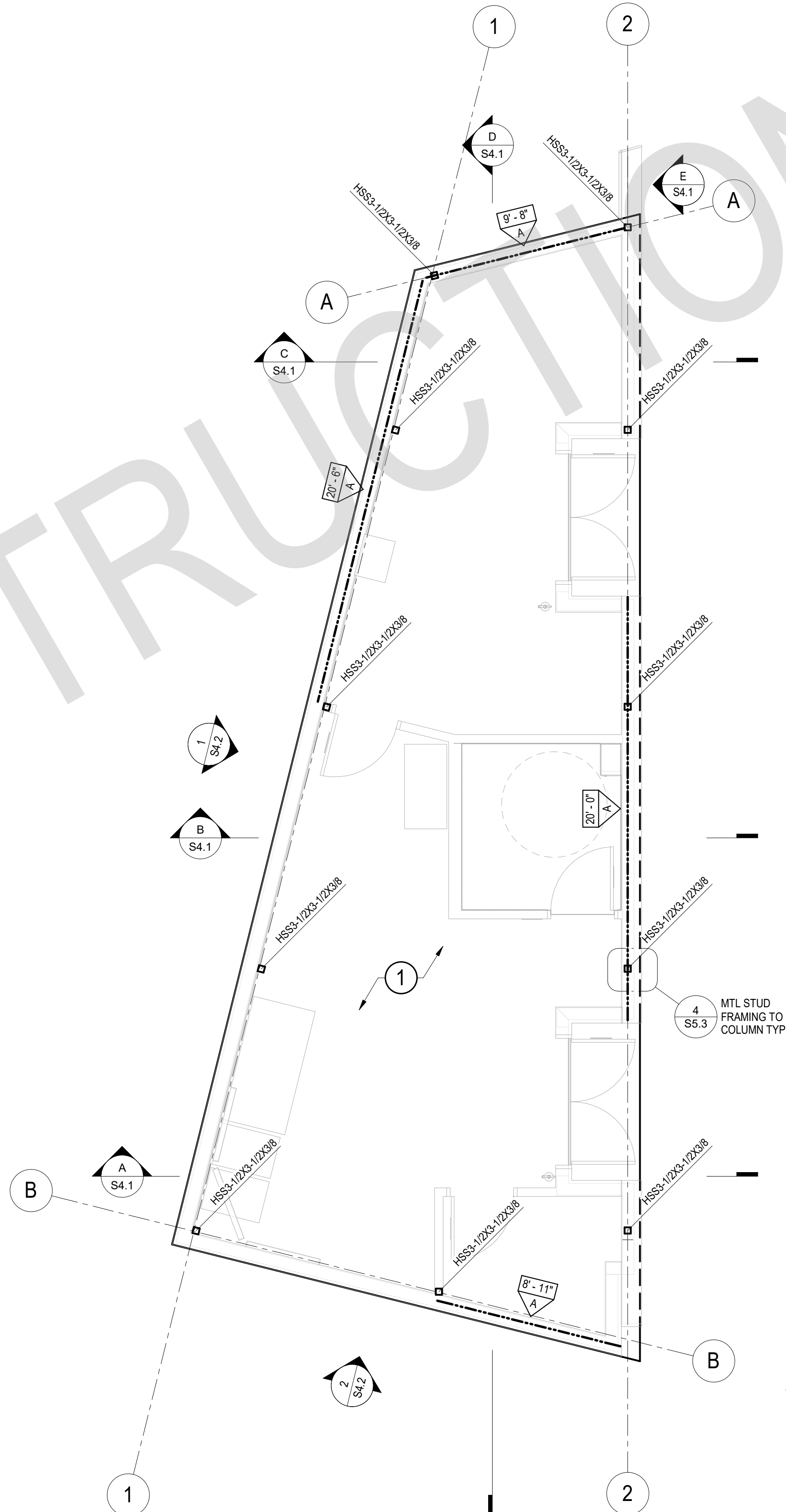
9
S5.2

B.O.M.D. = 15' - 4 3/4"

2 ROOF FRAMING PLAN
1/4" = 1'-0"



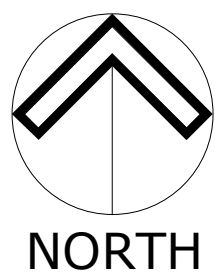
1 FOUNDATION PLAN
1/4" = 1'-0"



FOUNDATION NOTES

1. TYPICAL MAT SLAB ON GRADE:
18" THICK MAT SLAB W/ #6 @ 8" O.C. EA. WAY T&B. SLAB TO
BE POURED OVER VAPOR BARRIER AND AGGREGATE BASE IN
CONFORMANCE WITH GEOTECHNICAL RECOMMENDATIONS.
2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH
ARCHITECTURAL DRAWINGS.
3. FOR SHEARWALL REQUIREMENTS, SEE 3/S5.3
4. FOR HOLD DOWN REQUIREMENTS, SEE 3/S5.3 & 3/S5.4

4
S5.3
MTL STUD
FRAMING TO
COLUMN TYP.



NORTH

S2.1

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- LANDSCAPE ARCHITECTURE
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FIELD BOOK
SCALE AS SHOWN

CITY OF SACRAMENTO
DEPARTMENT OF PUBLIC WORKS

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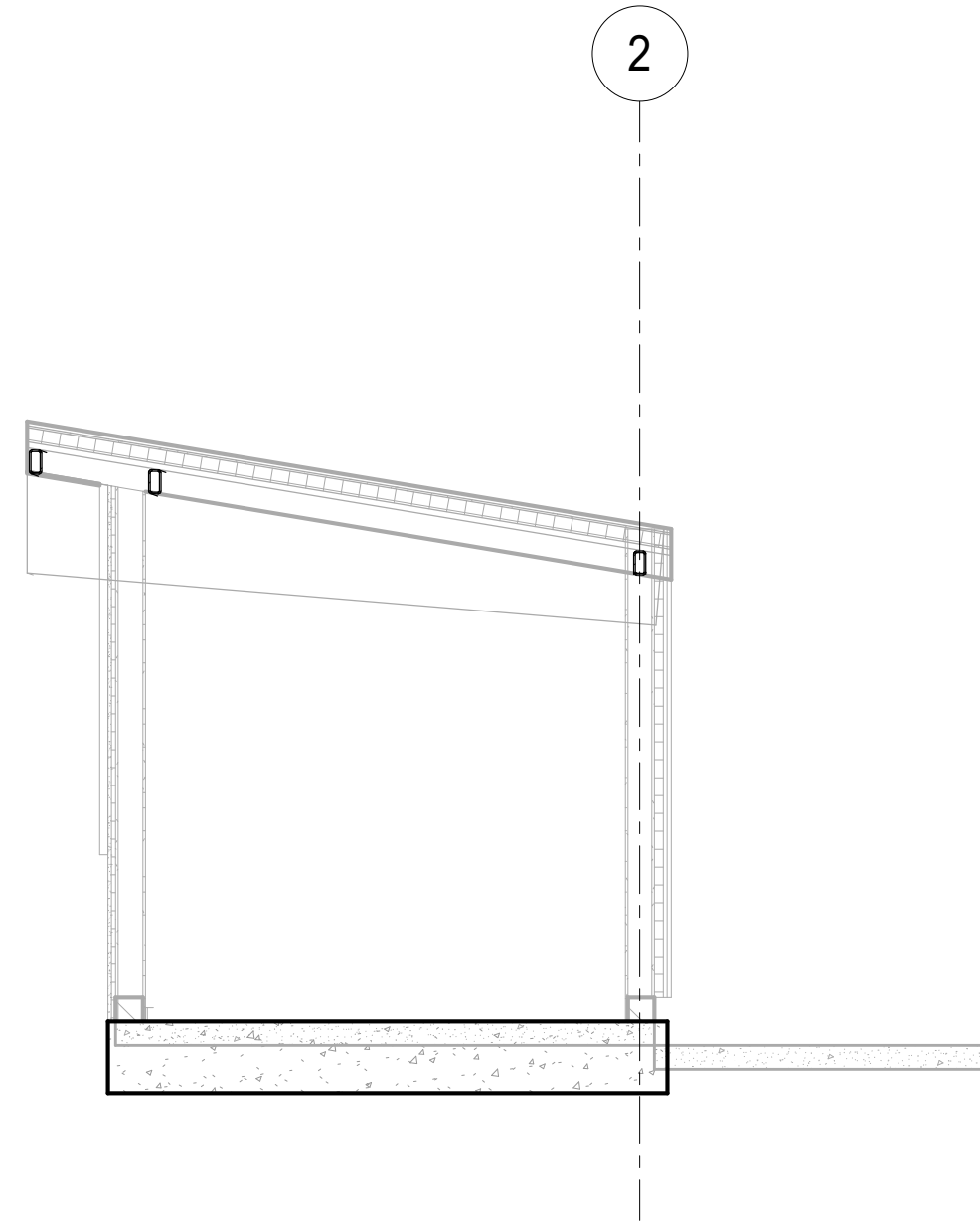
I STREET BRIDGE REPLACEMENT OPERATOR HOUSE
OVER SACRAMENTO RIVER

FOUNDATION PLAN AND FRAMING PLAN

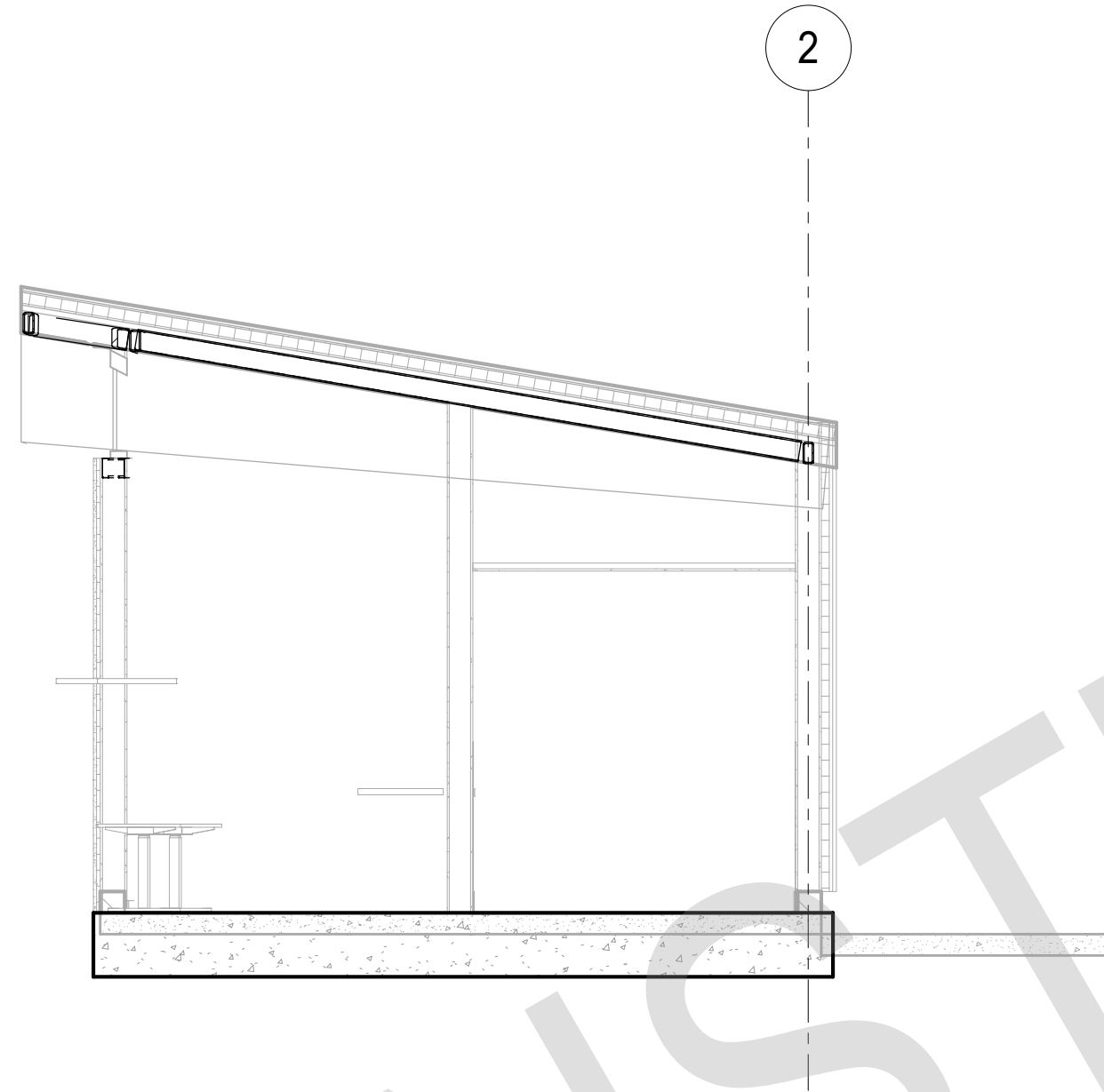
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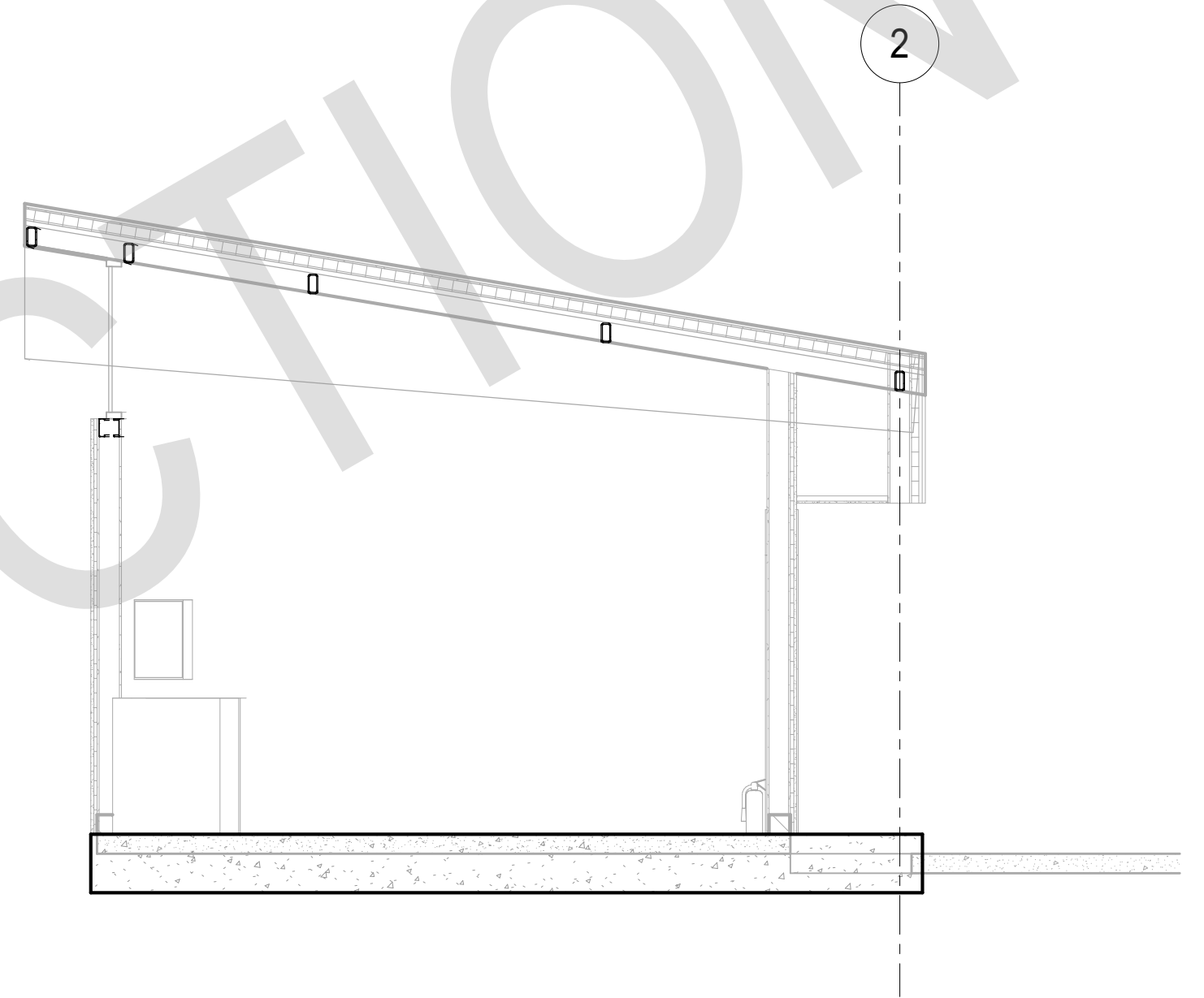
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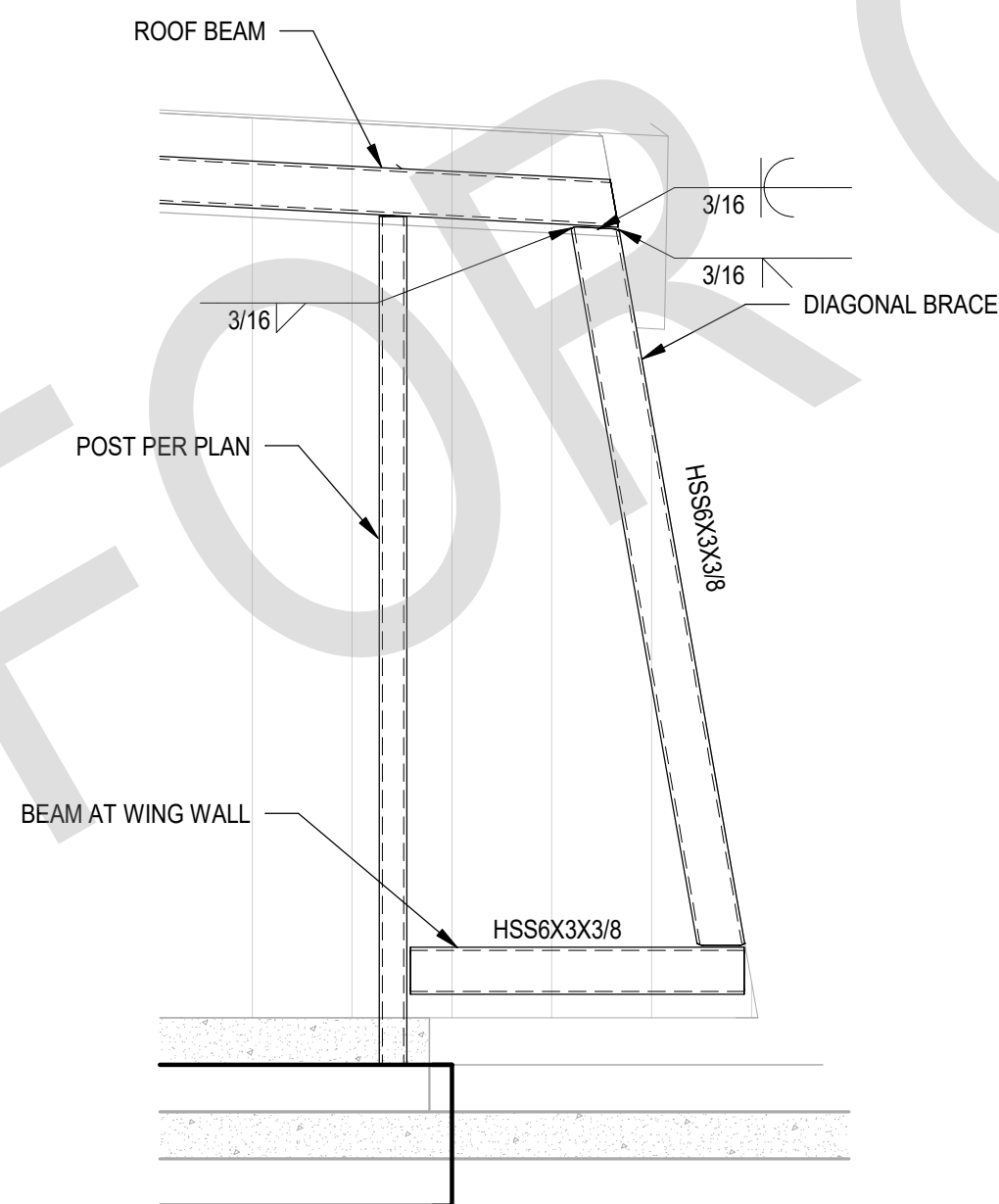
C SECTION
1/4" = 1'-0"



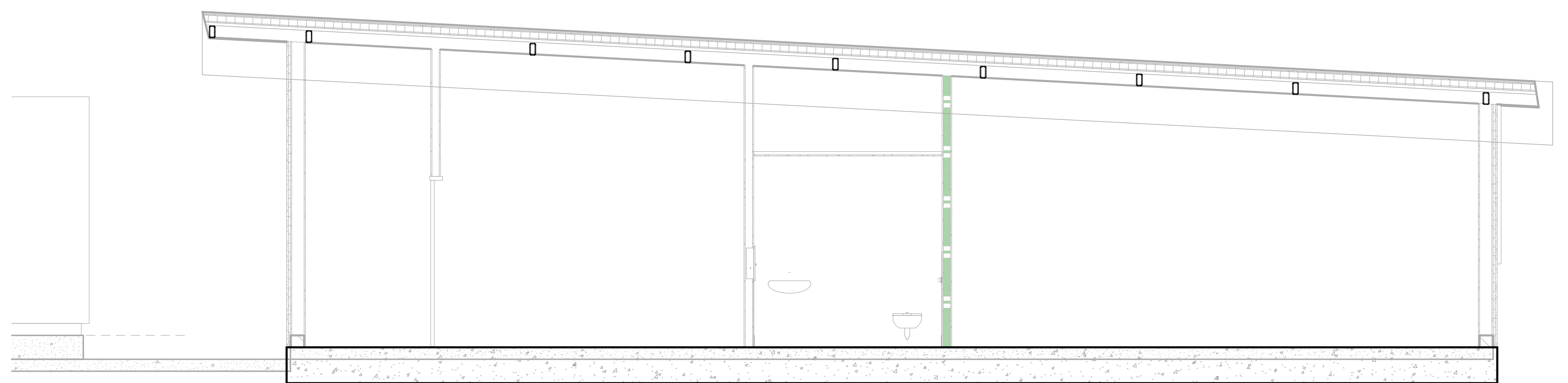
B SECTION
1/4" = 1'-0"



A SECTION
1/4" = 1'-0"



E WING WALL ELEVATION
1/2" = 1'-0"



D SECTION
1/4" = 1'-0"

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CONSTRUCTION

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I STREET BRIDGE REPLACEMENT OPERATOR HOUSE
OVER SACRAMENTO RIVER
SECTIONS

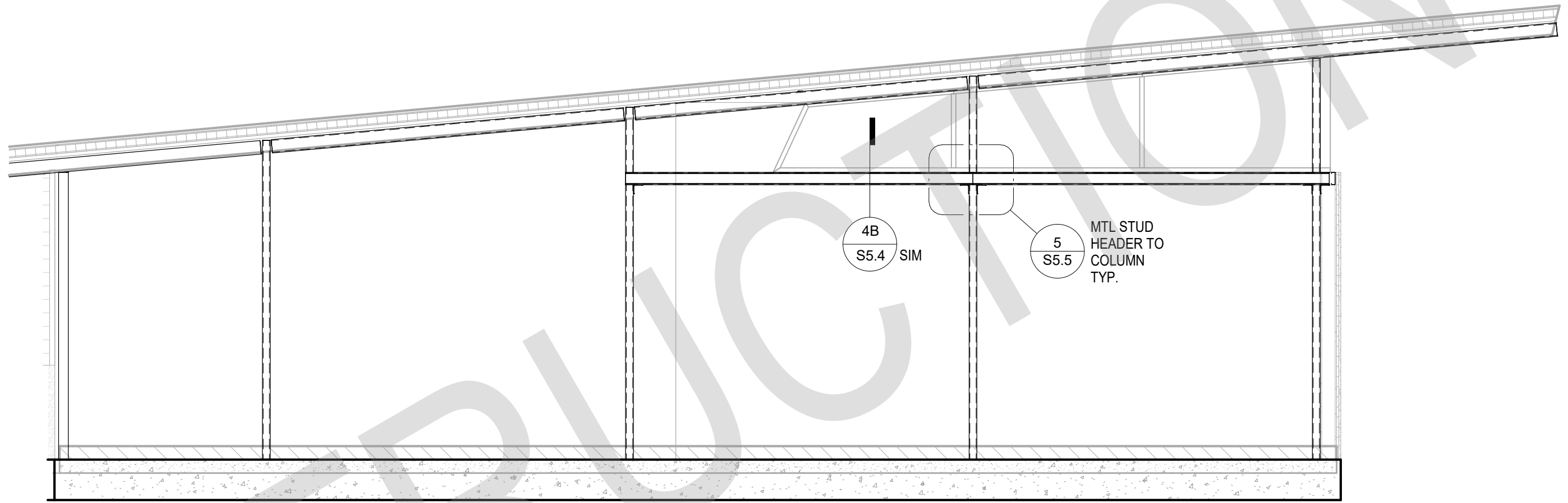
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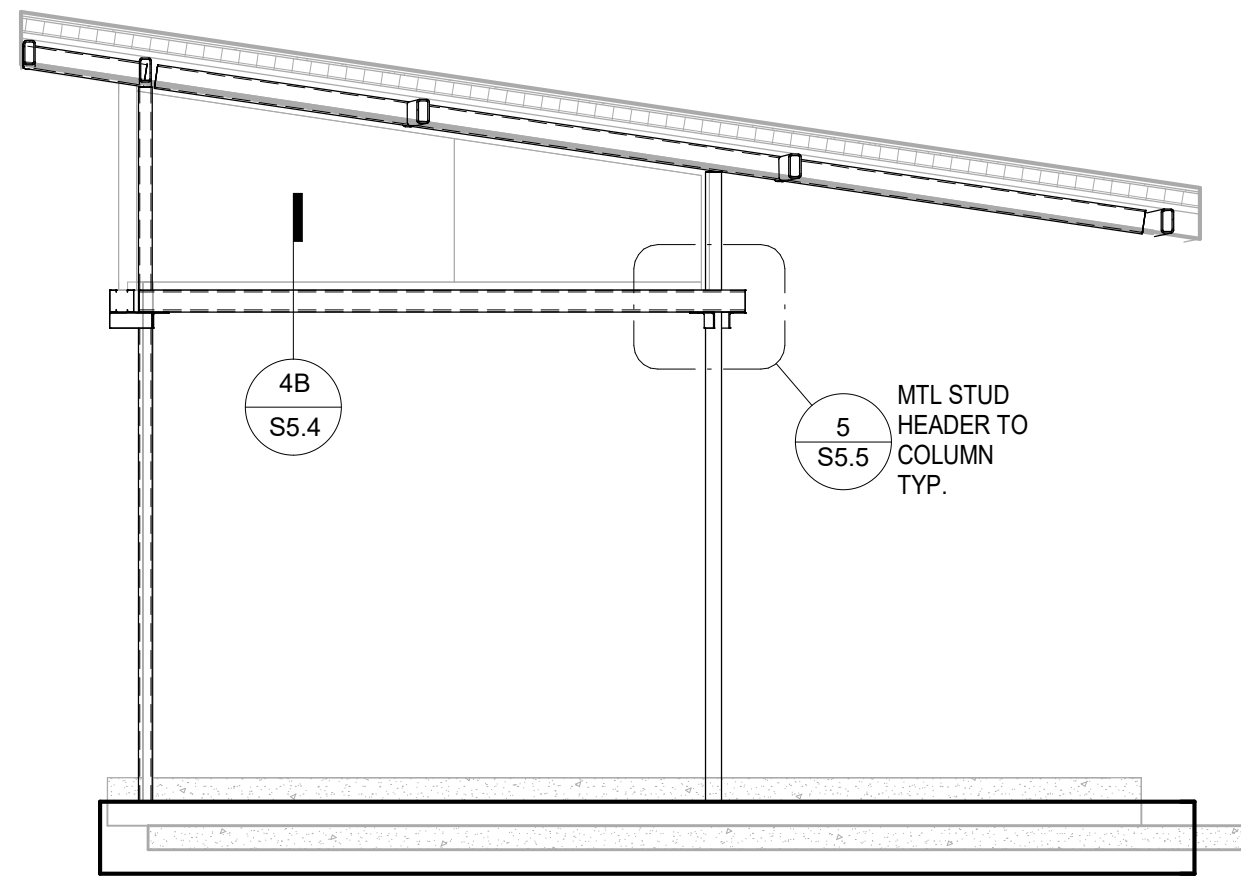
S4.1

Autodesk Docs://C1007.001 St Bridge Operator/24262 SE11 Street Bridge Operator House S24.rvt

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1 WEST FRAMING ELEVATION
1/4" = 1'-0"



2 NORTH FRAMING ELEVATION
1/4" = 1'-0"

S4.2

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STRUCTURAL

LANDSCAPE ARCHITECTURE

SURVEYING

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ATHLETIC FACILITY DESIGN

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FIELD BOOK
SCALE AS SHOWN

CITY OF SACRAMENTO
DEPARTMENT OF PUBLIC WORKS

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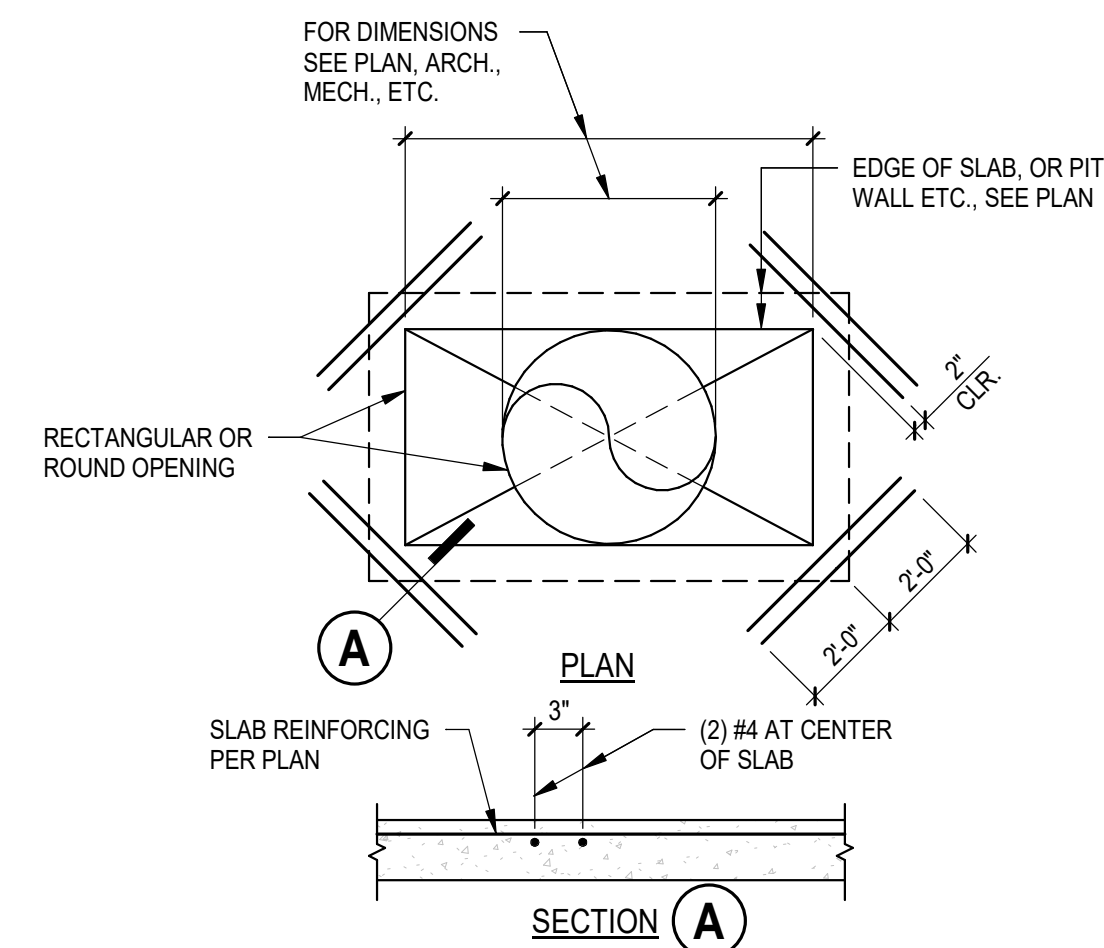
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**I STREET BRIDGE REPLACEMENT OPERATOR HOUSE
OVER SACRAMENTO RIVER
ELEVATIONS**

C1007.00	SHEET — OF —
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10 OPENING IN SLAB ON GRADE

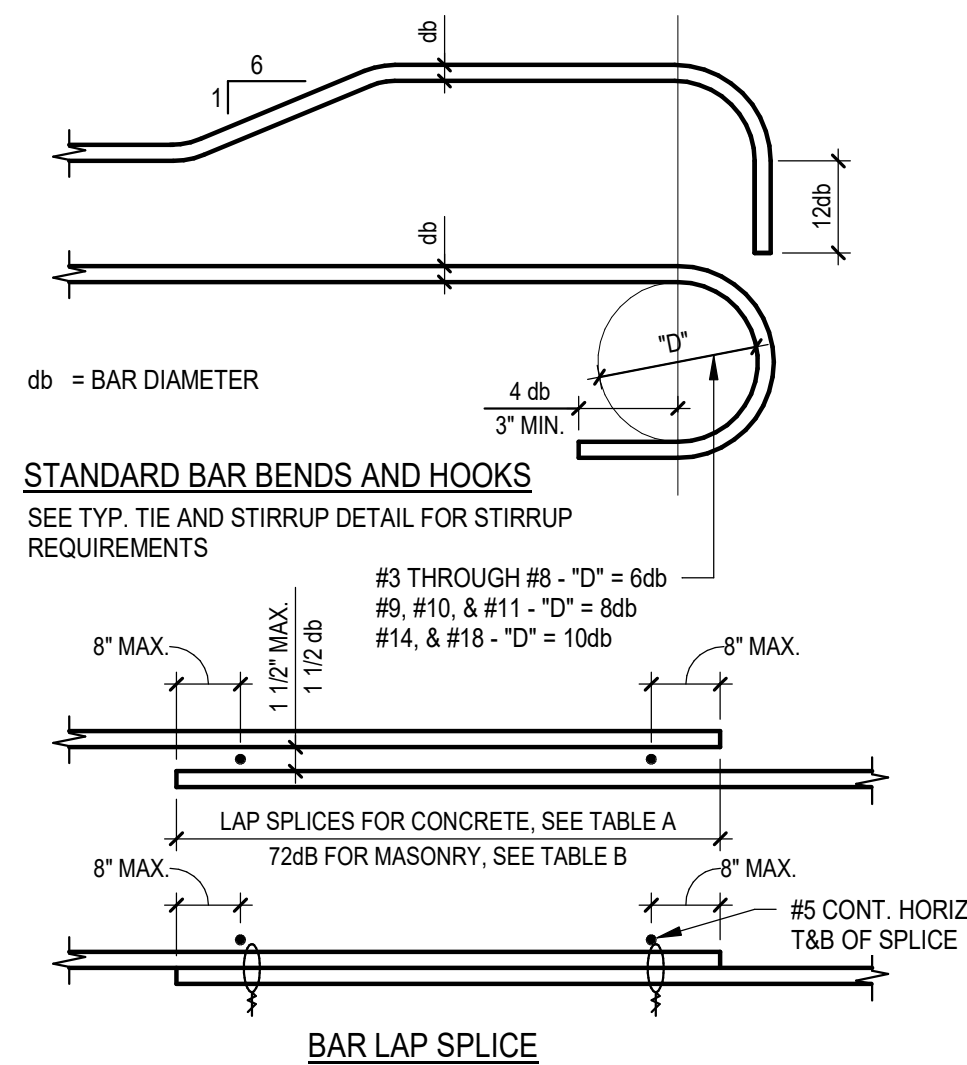
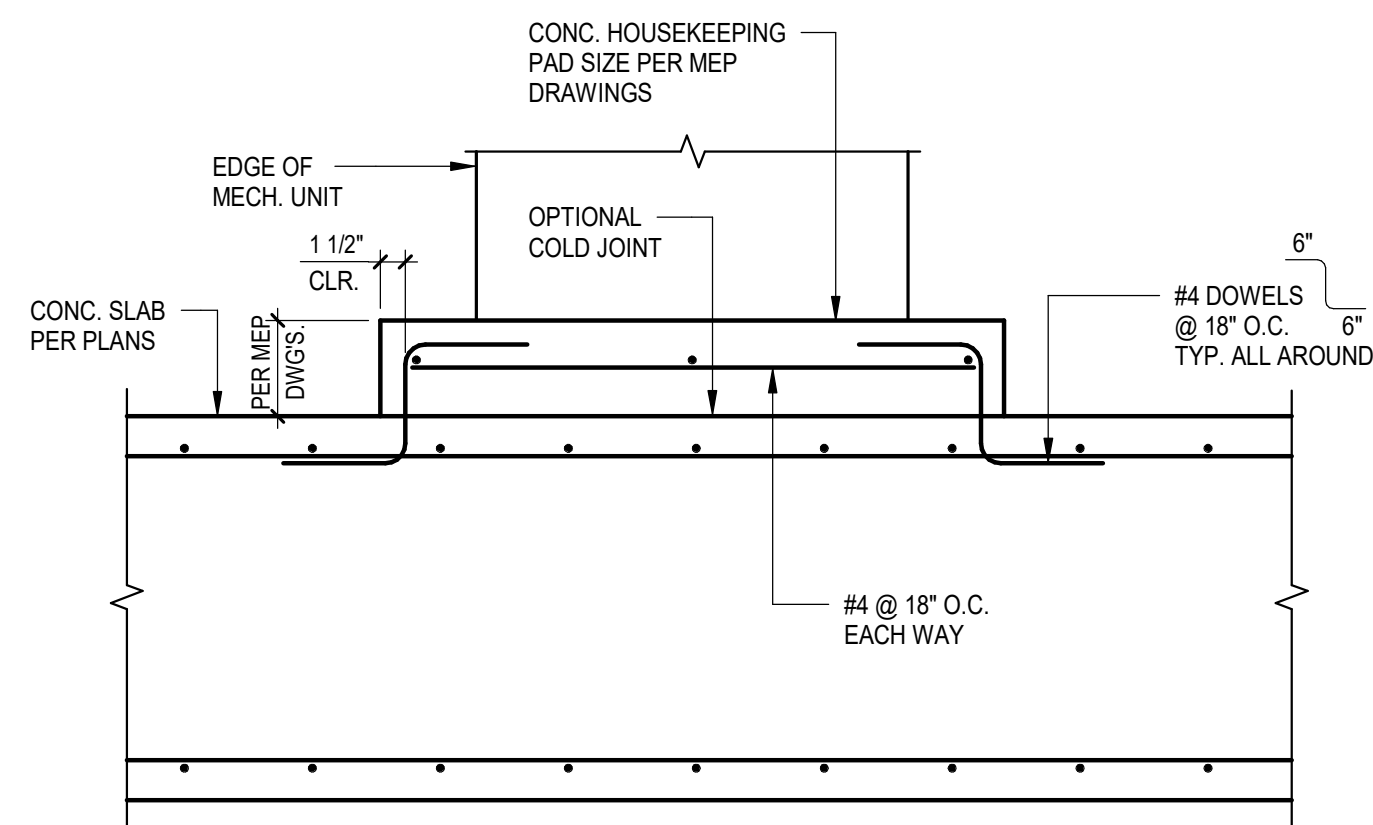


TABLE A				TABLE B					
BAR LAP SPLICES IN CONC. (CLASS B) 3500 P.S.I.		66 db	52.8 db	BAR LAP SPLICES IN CONC. (CLASS B) 4000 P.S.I.		72 db	49.4 db		
BAR SIZE	BAR LAP			BAR SIZE	BAR LAP				
#4	27"			#4	25"				
#5	33"	66 db	52.8 db	#5	31"	72 db	49.4 db		
#6	40"			#6	37"				
#7	58"			#7	54"				
#8	66"			#8	62"				
#9	75"			#9	70"				
#10	84"			#10	78"				
BAR LAP SPLICES IN CMU									
BAR SIZE	BAR LAP			BAR SIZE	BAR LAP				
#4				#4					
#5				#5					
#6				#6					
#7				#7					
#8				#8					

- NOTES - TABLE A:**
1. ALL TABULATED BAR LAPS SHALL BE MULTIPLIED BY 1.3 FOR LIGHT WEIGHT CONCRETE.
 2. ALL TABULATED BAR LAPS SHALL BE MULTIPLIED BY 1.3 FOR HORIZONTAL WALL BARS, FOOTING AND GRADE BEAM TOP BARS
 3. CLEAR SPACING OF BARS BEING DEVELOPED OR SPICED NOT LESS THAN db. CLEAR COVER NOT LESS THAN db, AND STIRRUPS OR TIES THROUGHOUT 1d NOT LESS THAN THE MINIMUM OR CLEAR SPACING OF BARS BEING DEVELOPED OR SPICED NOT LESS THAN 2db AND CLEAR COVER NOT LESS THAN db.

- NOTES - TABLE B:**
1. STAGGER VERTICAL SPLICE LOCATIONS FOR #8 REINFORCING.

11 **TYP - REINFORCING BAR DETAILS**
1" = 1'-0"

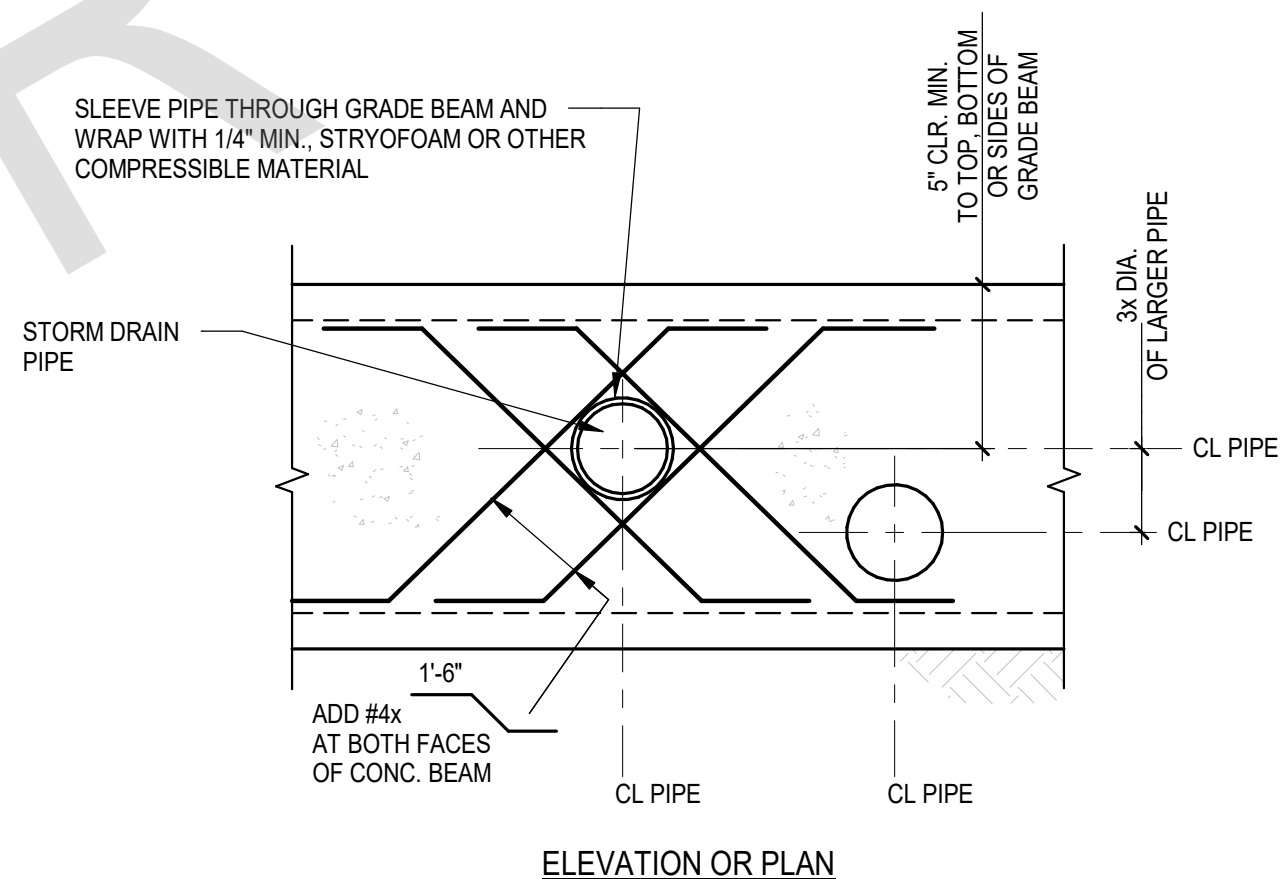


7 TYP - HOUSEKEEPING PAD DETAIL
1" = 1'-0"

CONCRETE EXPOSURE	MEMBER	REINFORCEMENT	SPECIFIED COVER (IN.) UNO
CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND	ALL	ALL	3
CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND	ALL	#6 THROUGH #18 BARS	3
		#5 BARS AND SMALLER	1 1/2
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	SLAB, JOIST, AND WALLS	#14 AND #18 BARS	1 1/2
		#11 BARS AND SMALLER	3/4
	BEAMS, COLUMNS, PEDESTALS AND TENSION TIES	PRIMARY REINFORCEMENT, STIRRUPS, TIES, SPIRALS, AND HOOPS	1 1/2
TILT UP PANELS	MAIN REINF. (INSIDE/OUTSIDE FACE)		1
	TIES/STIRRUPS (INSIDE/OUTSIDE FACE)		3/4
	MAIN REINF. EDGE OF PANEL		2
	TIES/STIRRUPS EDGE OF PANEL		1 1/2

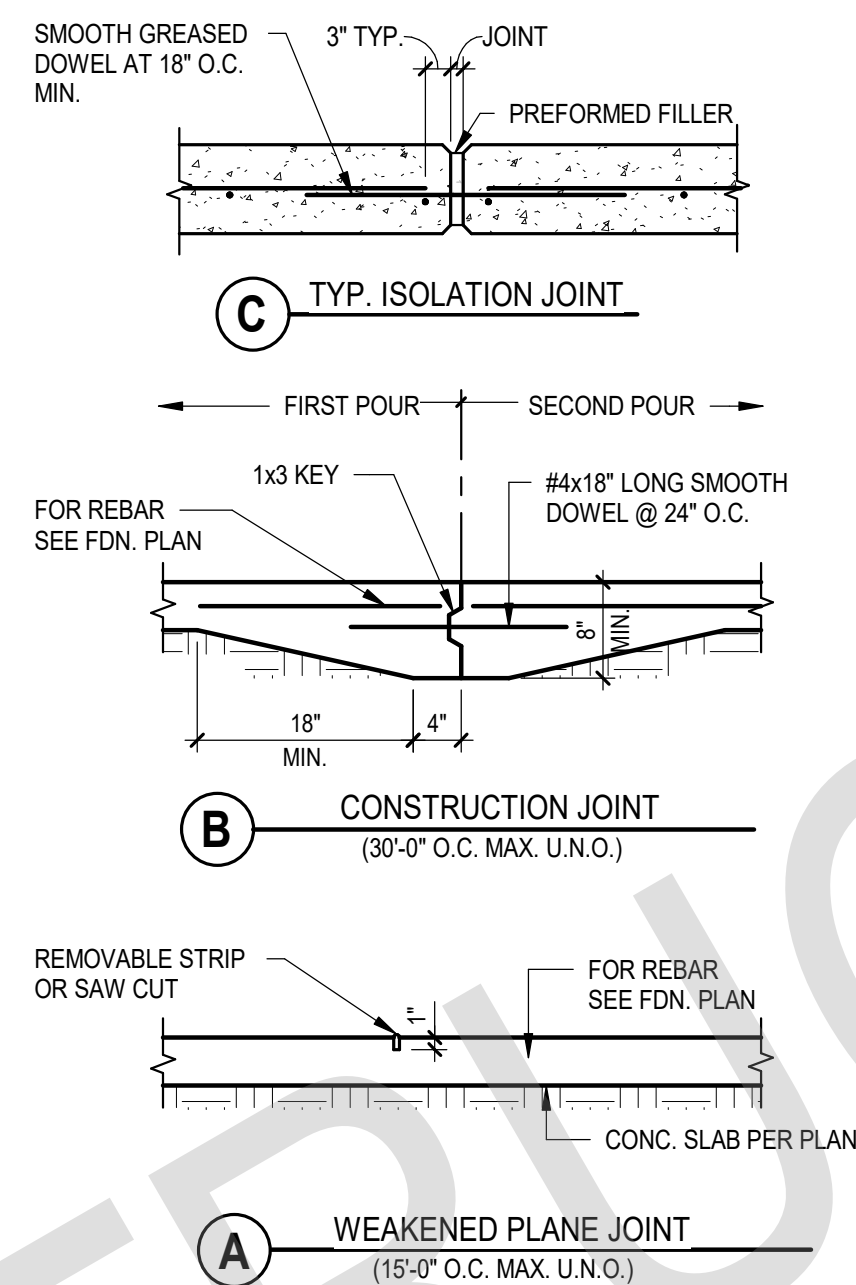
- NOTES:**
1. MINIMUM SPECIFIED COVER ABOVE IS BASED ON CAST-IN-PLACE CONSTRUCTION (NON-PRESTRESSED).
 2. PROVIDE 1 1/2" CLEAR FROM TOP OF SLAB FOR SLAB ON GRADE.
 3. FOR PRECAST, PRE-STRESSED USE ALTERNATE SCHEDULE.
 4. REINFORCING BARS SHALL EXTEND AS FAR AS POSSIBLE AND END IN EITHER A STANDARD HOOK OR TENSION LAP SPLICE UNLESS DETAILED OTHERWISE.

8 CONCRETE CLEAR COVER

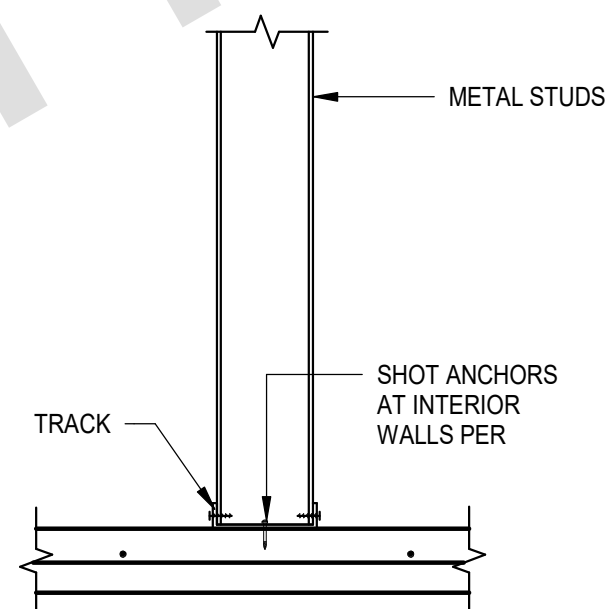


- NOTE:**
1. DETAILS APPLU FOR STORM DRAIN PIPE ONLY. NO CONDUIT BANK PENETRATIONS ALLOWED.
2. PIPES MAY BE IN SAME PLANE, SPACE AS REQ'D.

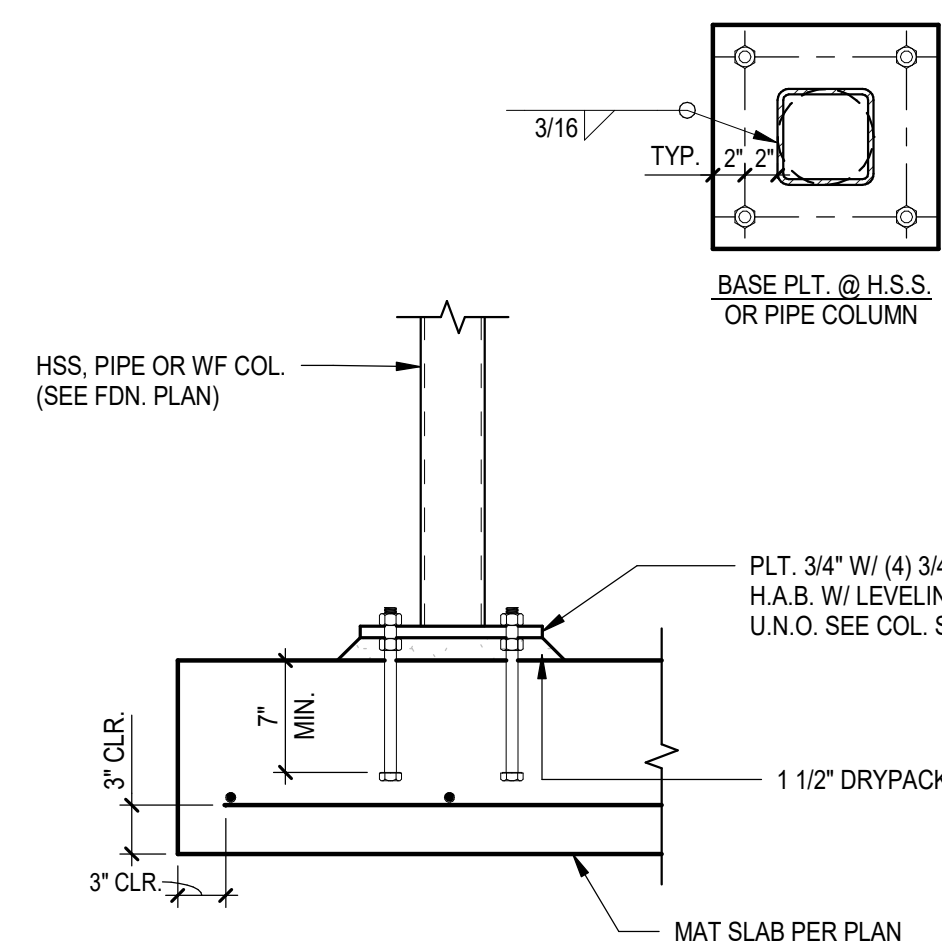
9 PENETRATION THRU GRADE BEAM OR SLAB TURN DOWN
NTS



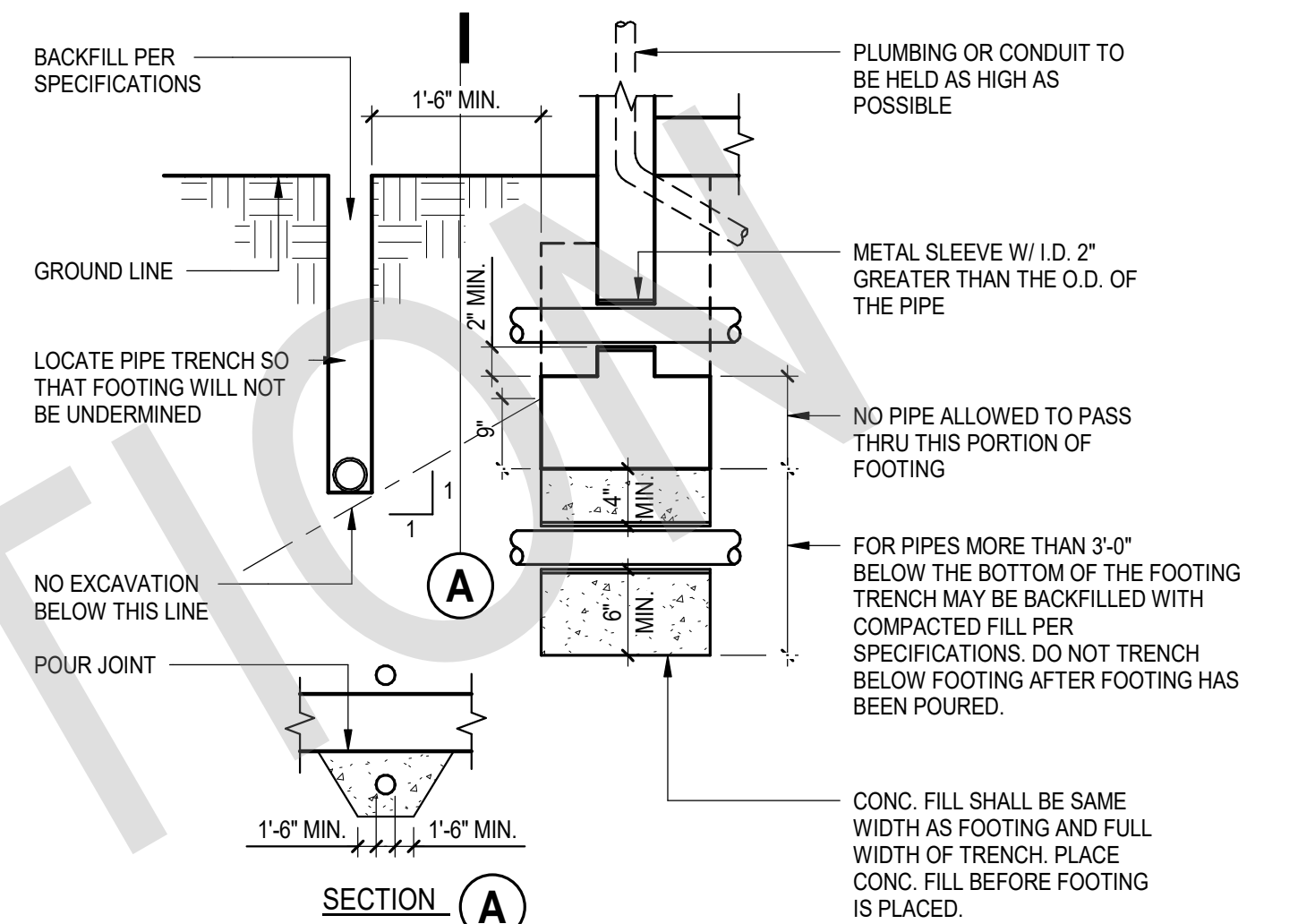
4 TYP - SLAB JOINT DETAILS
3/4" = 1'-0"



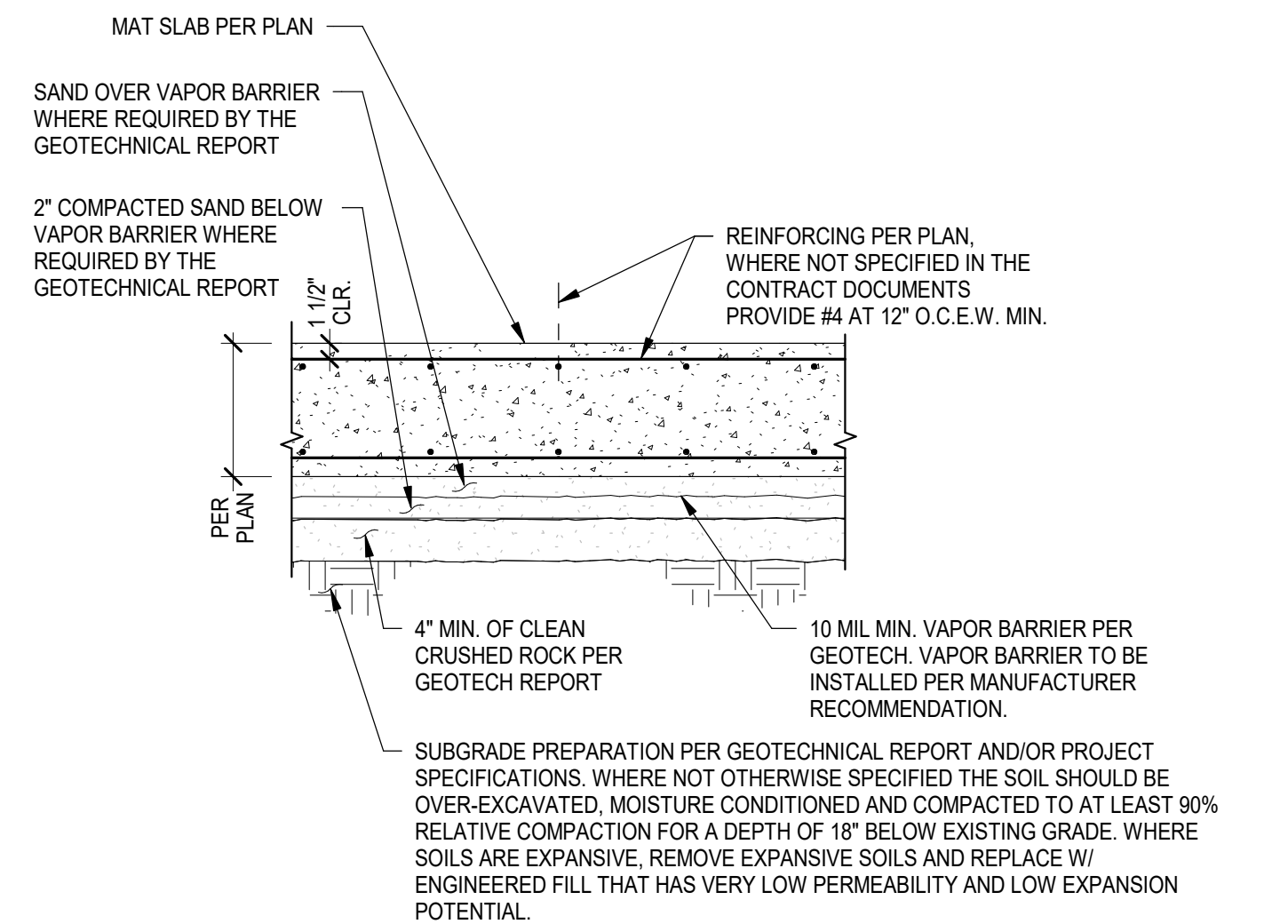
5 TYP - NON-BRG WALL TO SLAB DET.
1" = 1'-0"



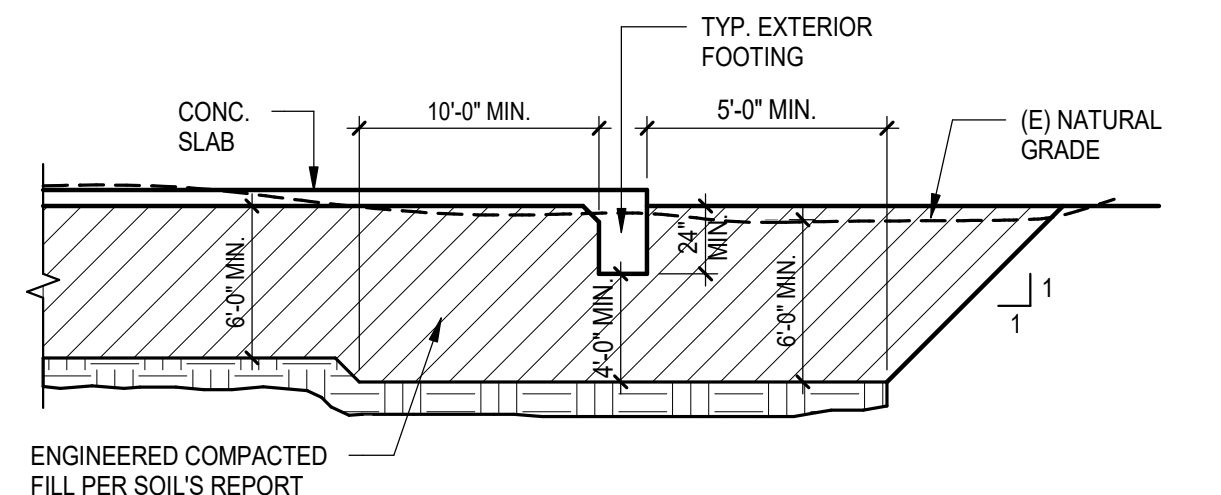
6 TYP - STEEL COLUMN TO PAD FOOTING
1" = 1'-0"



1 TYP - PIPE TRENCH AND FOOTING DETAIL

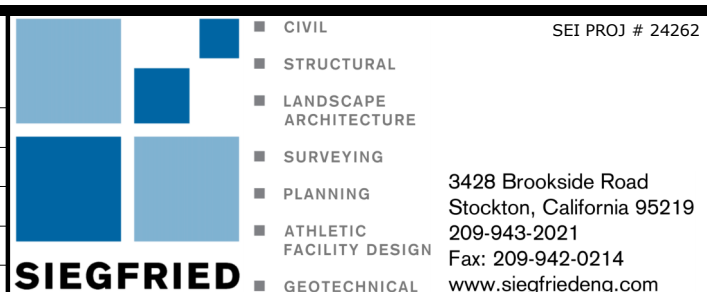


2 **TYPICAL CONCRETE SLAB ON GRADE**
3/4" = 1'-0"



3 OVER EXCAVATION REQUIREMENTS

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S1	1st PLAN CHECK REVIEW	11-13-24	



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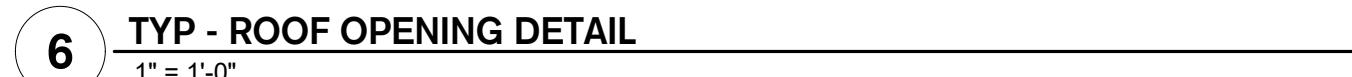


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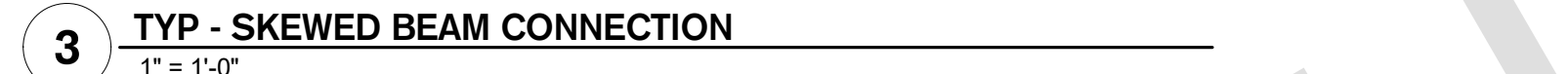
I STREET BRIDGE REPLACEMENT OPERATOR HOUSE OVER SACRAMENTO RIVER TYPICAL CONCRETE DETAILS

S5.1

— OF —



NOTES:
1. MAXIMUM ALLOWABLE HANGING LOADS TO BE AS FOLLOWS (MAXIMUM HANGER LOAD MAY BE FROM A SINGLE HANGER OR TOTAL LOAD FROM ALL HANGERS SUPPORTED FROM A COMMON STRUT)



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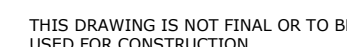
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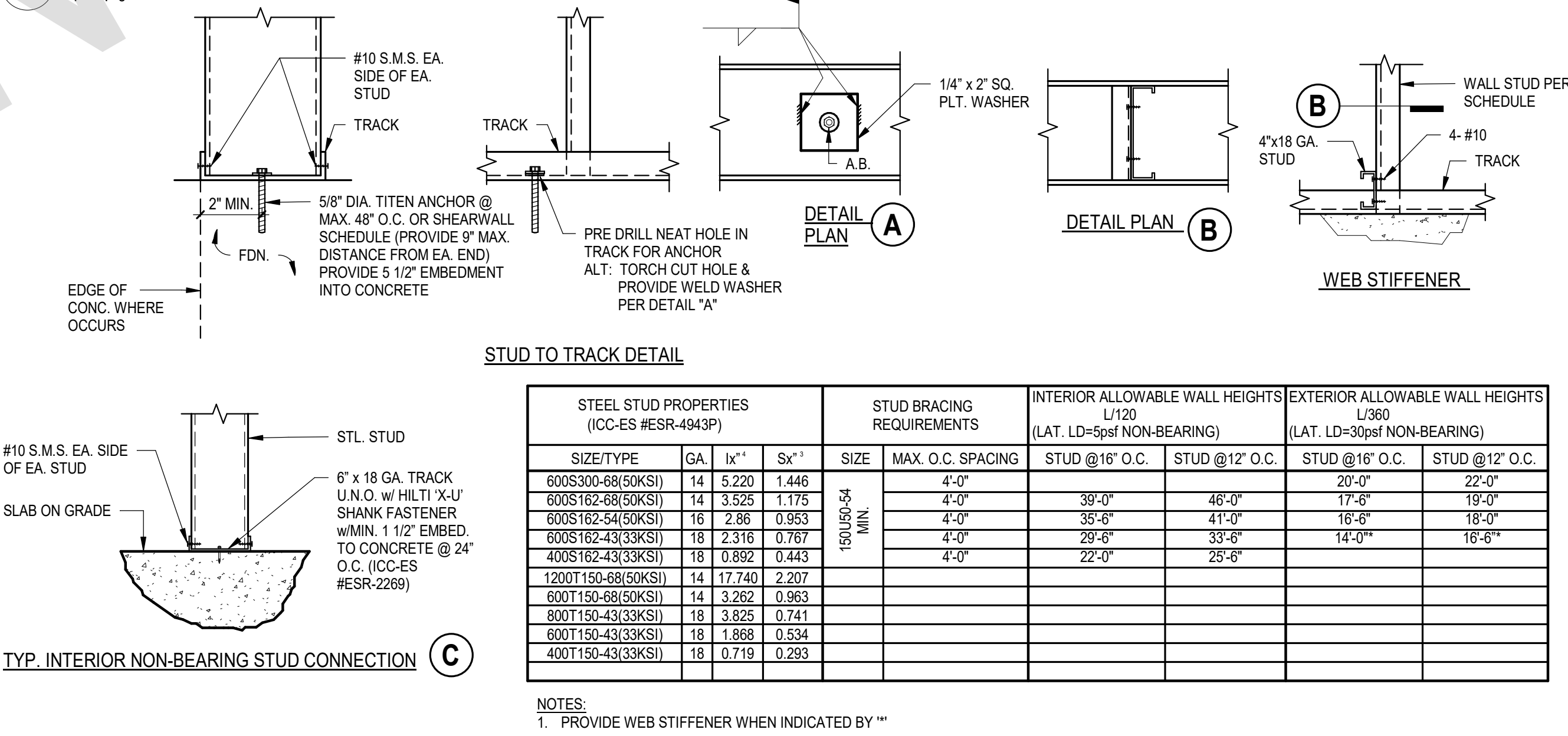
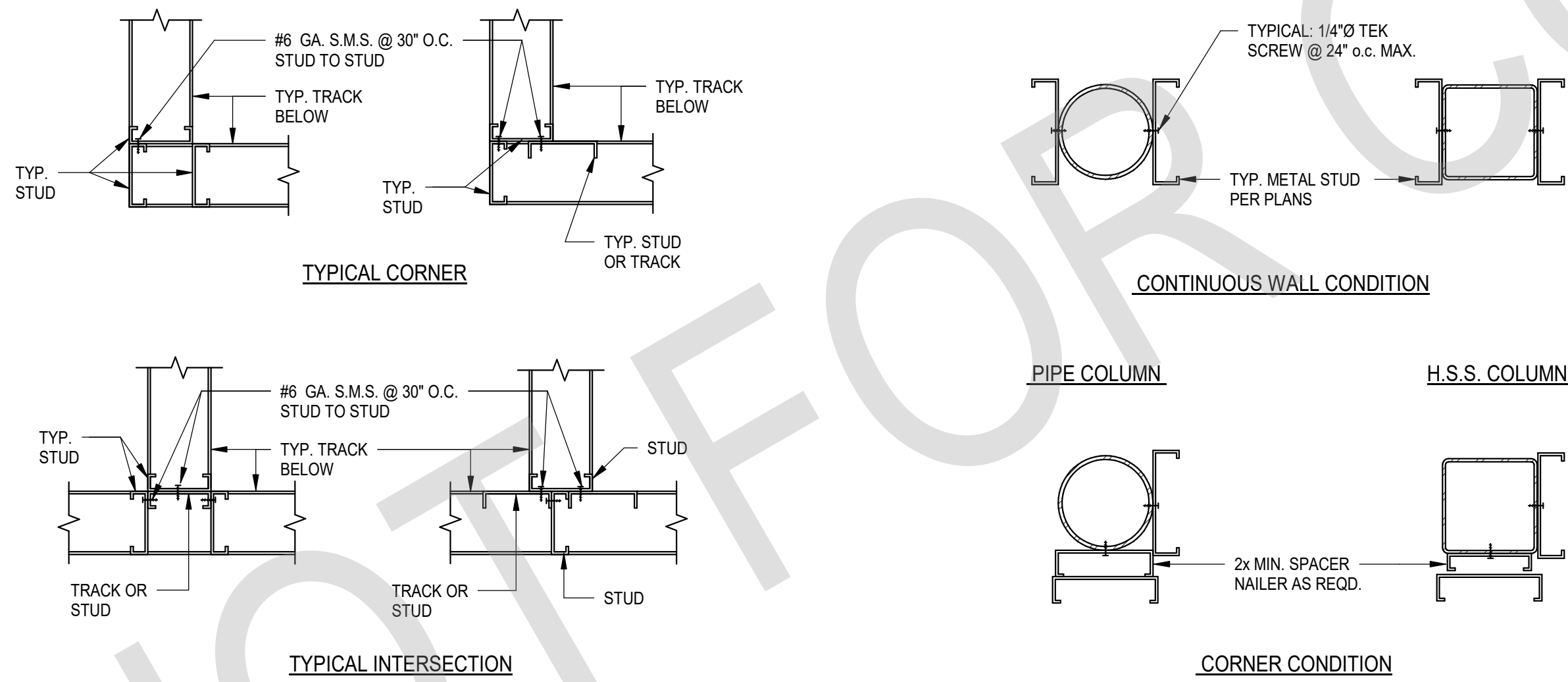
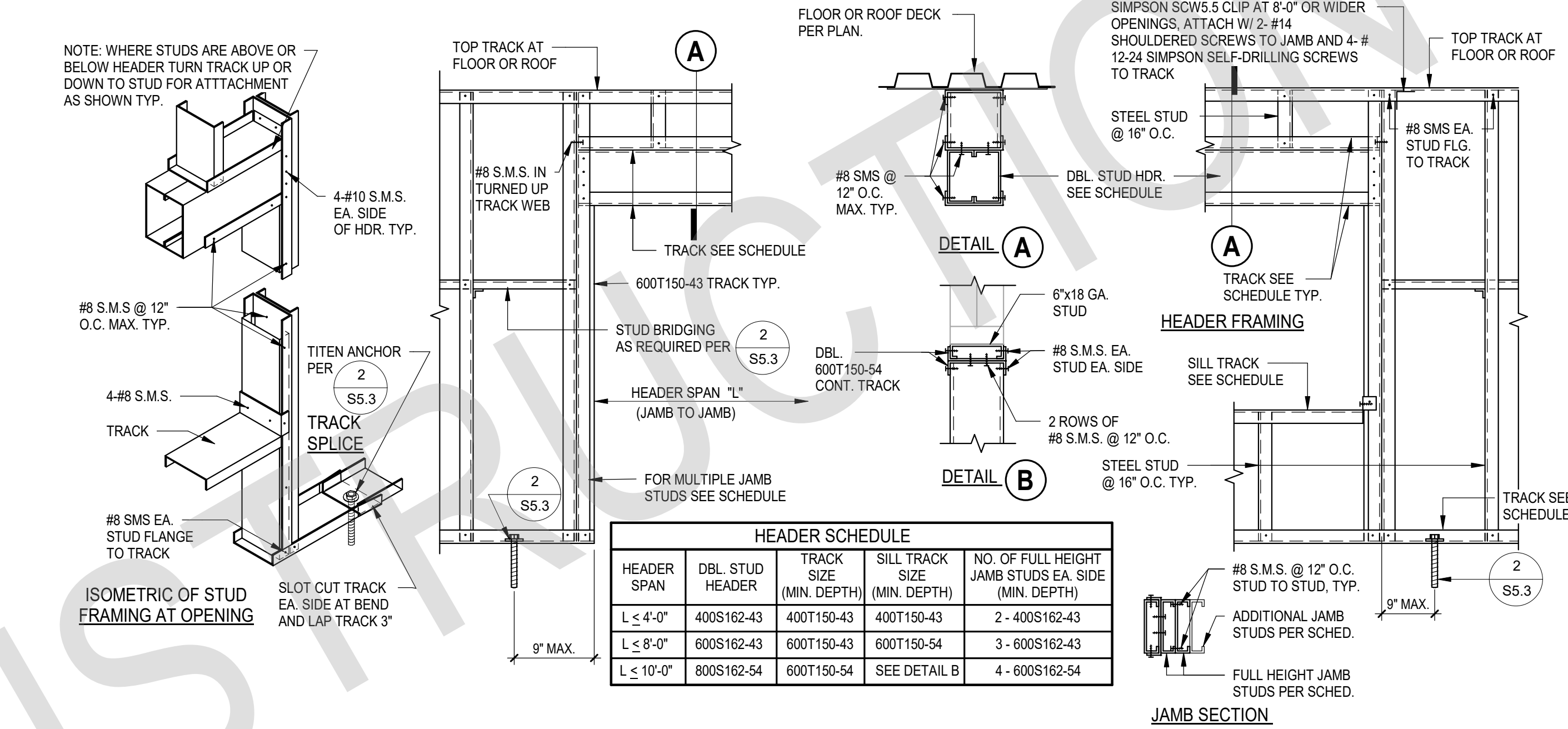
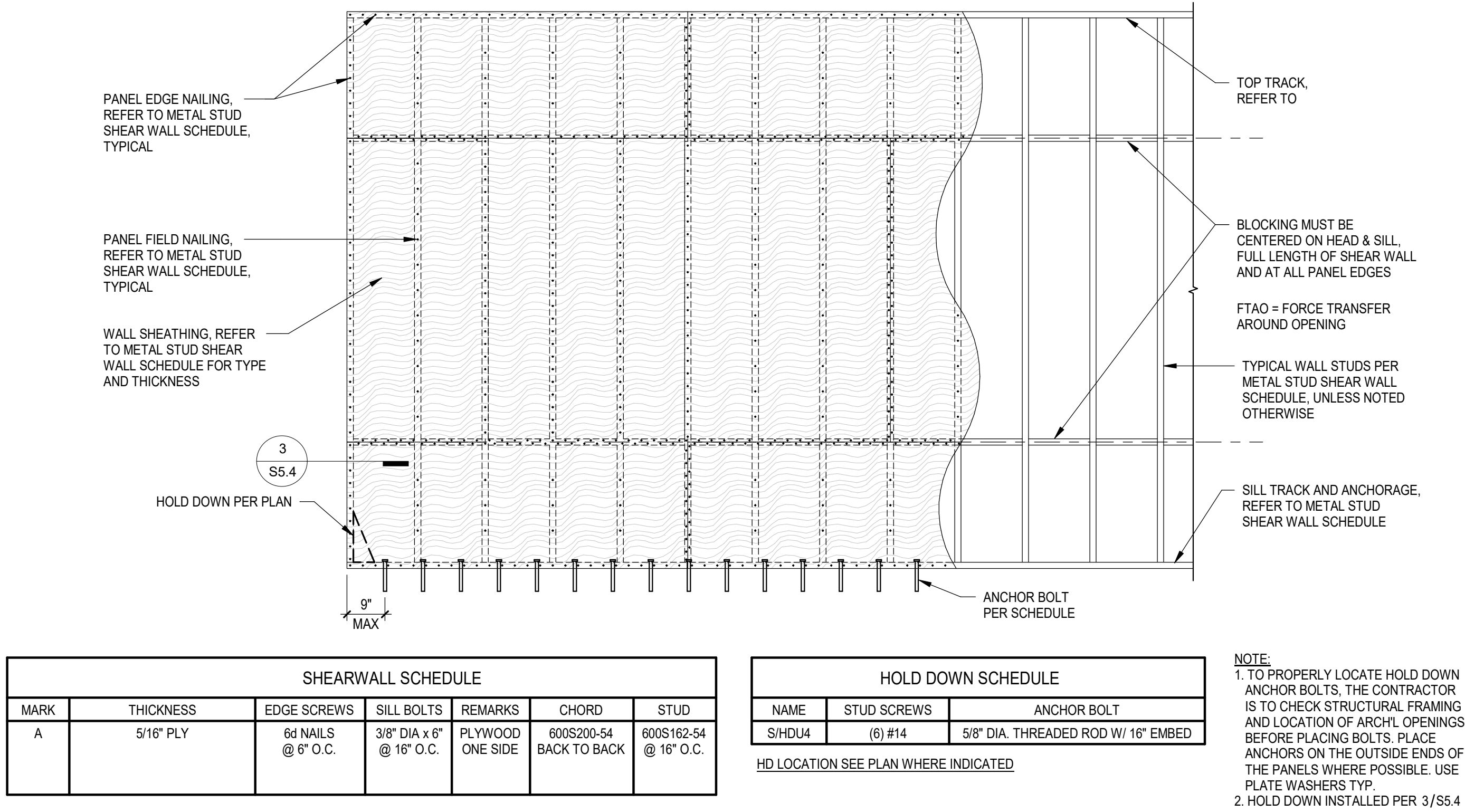
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I STREET BRIDGE REPLACEMENT OPERATOR HOUSE
OVER SACRAMENTO RIVER
TYPICAL STEEL DETAILS

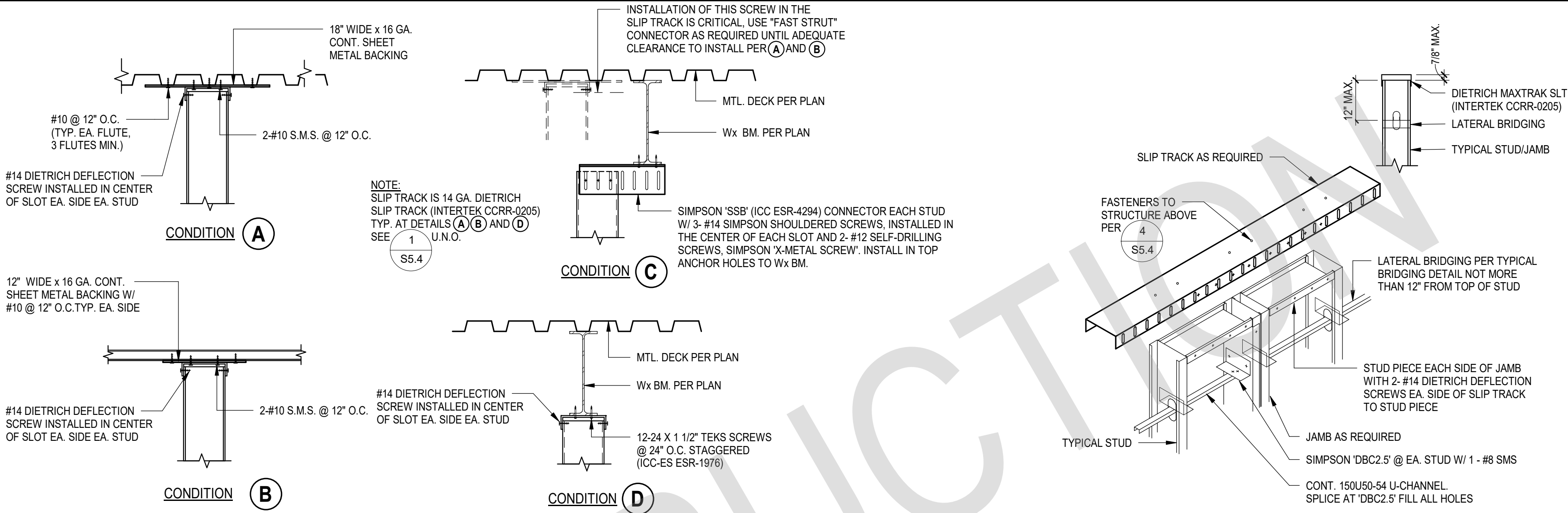
S5.2

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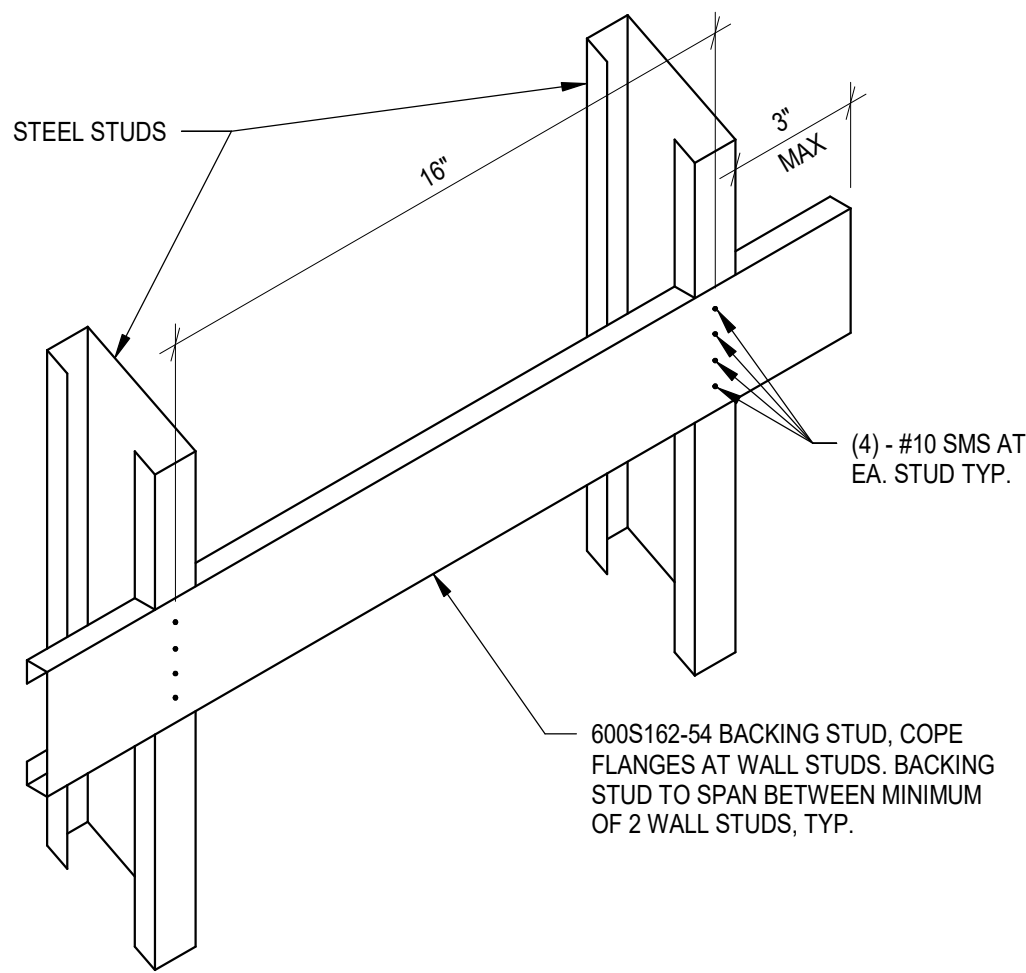
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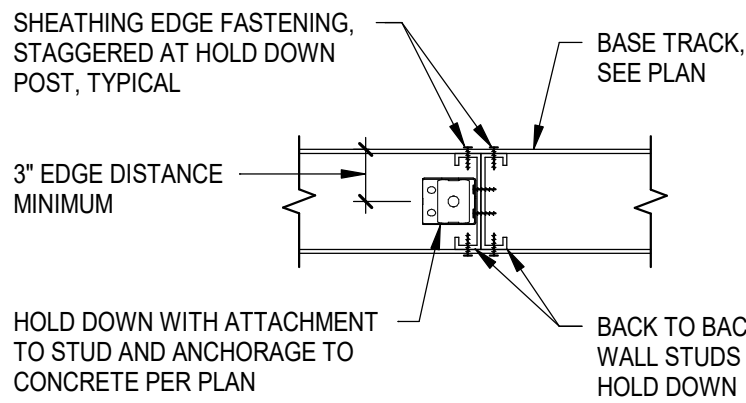


4 TYP - NON-BEARING STUD PARTITION TO STEEL
1" = 1'-0"

1 TYP - SLIP TRACK DETAIL
1" = 1'-0"



2 TYP - BACKER PLATE DETAIL
1" = 1'-0"



NOTE:
SEE PLAN FOR SHEATHING
SIZE, LOCATION, AND
FASTENING REQUIREMENTS

3 TYPICAL HOLDOWN AT METAL STUDS
1" = 1'-0"

S5.4

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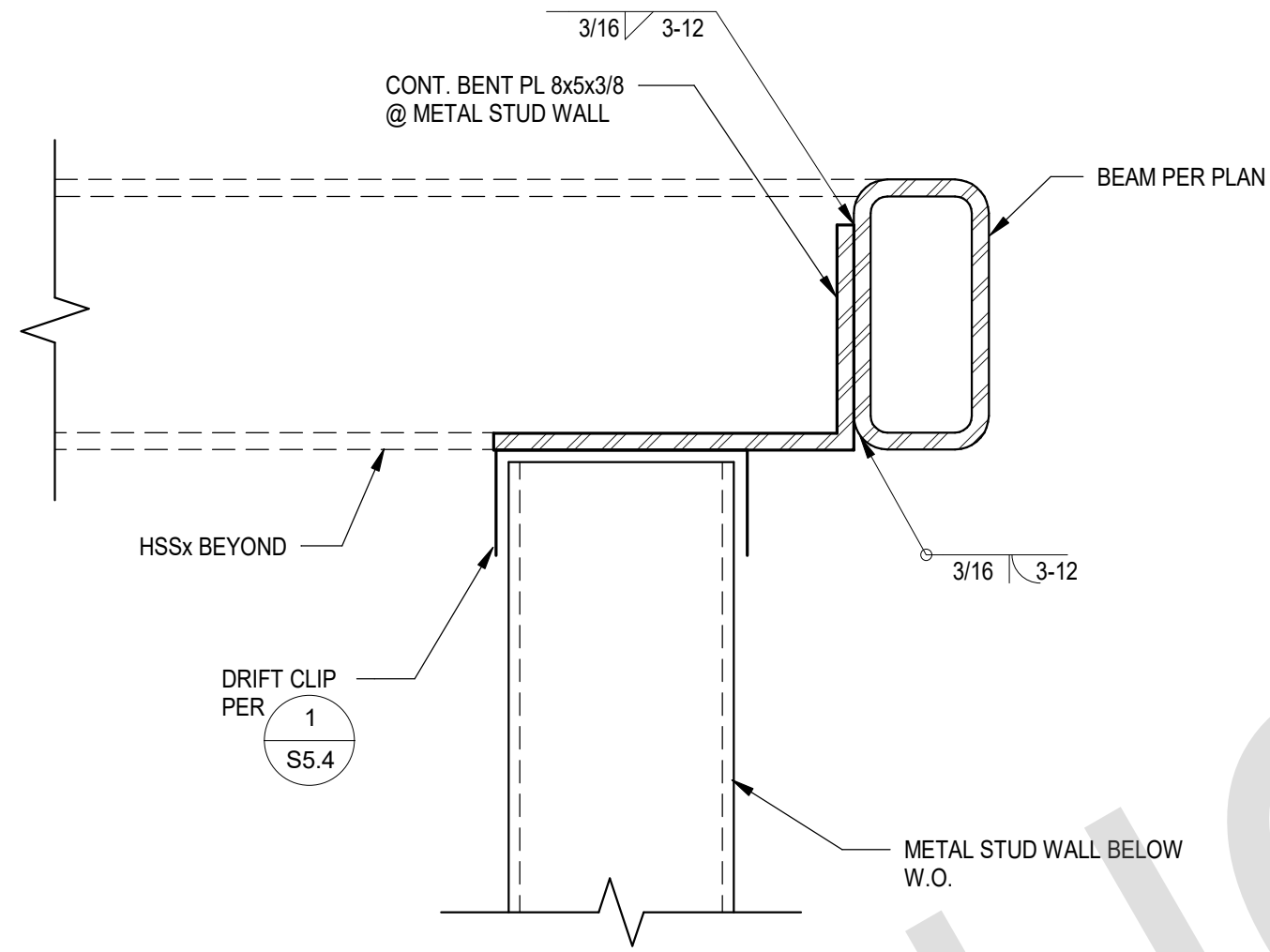
TYPICAL METAL STUD FRAMING DETAILS

C1007.00

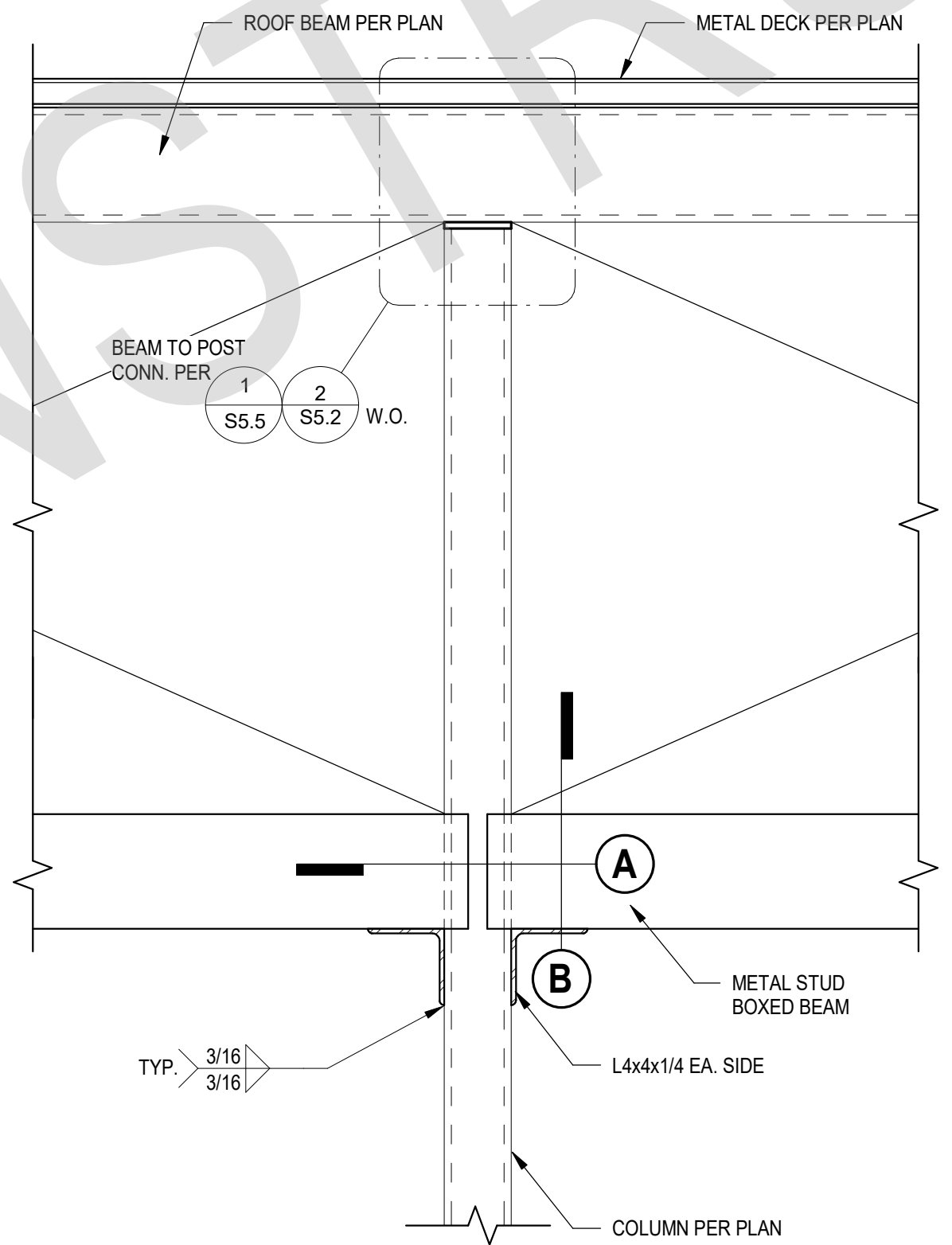
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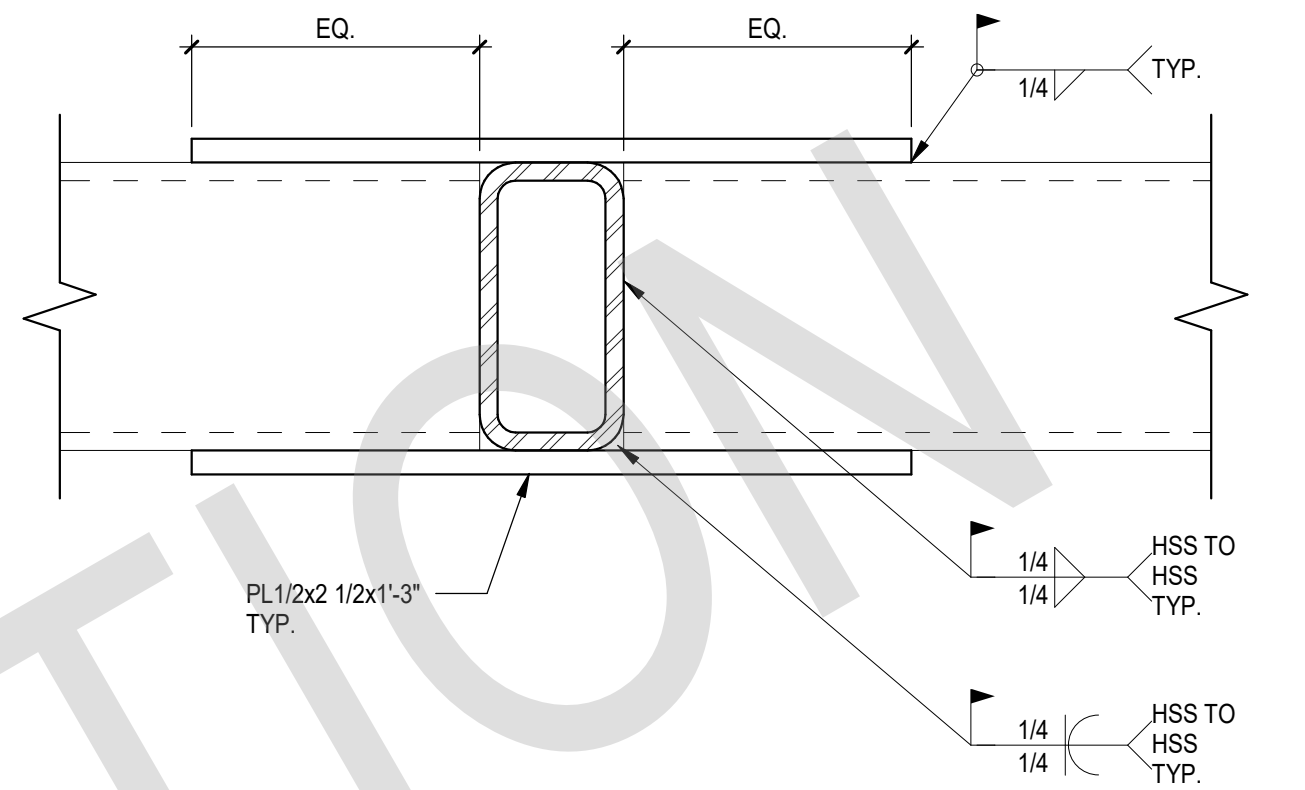
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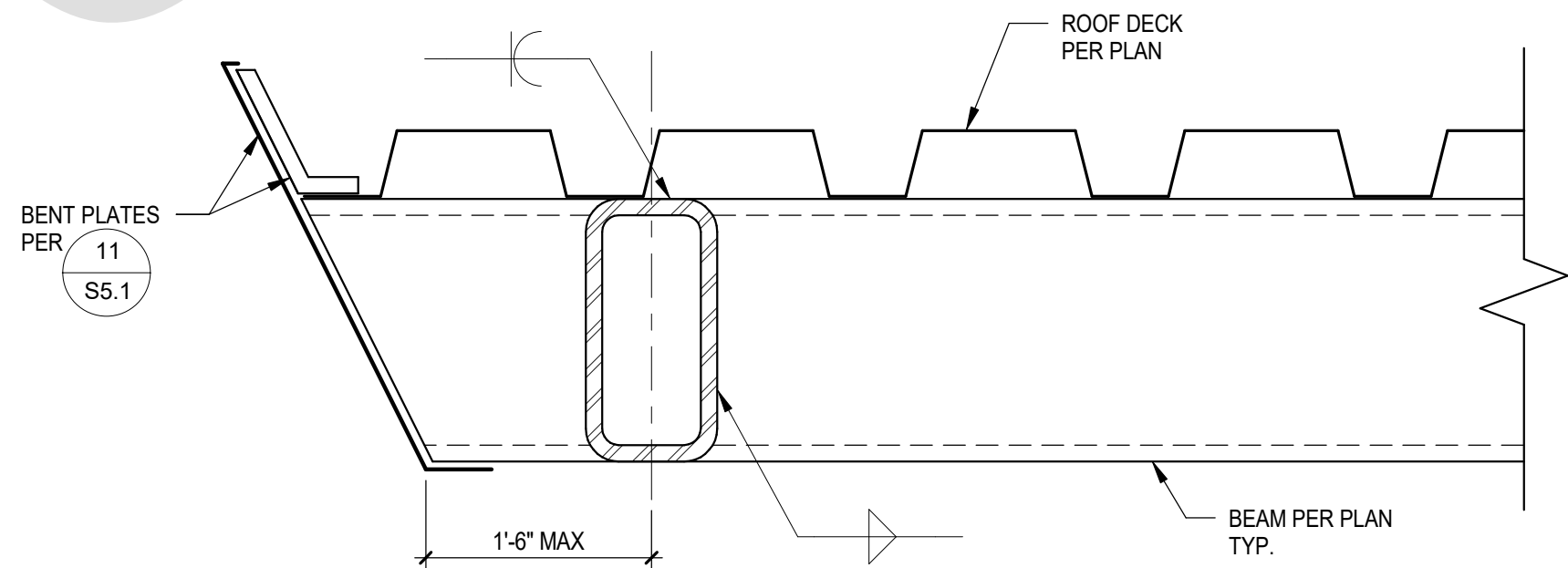
4 OFFSET SHEARWALL TO FRAMING ABOVE
3" = 1'-0"



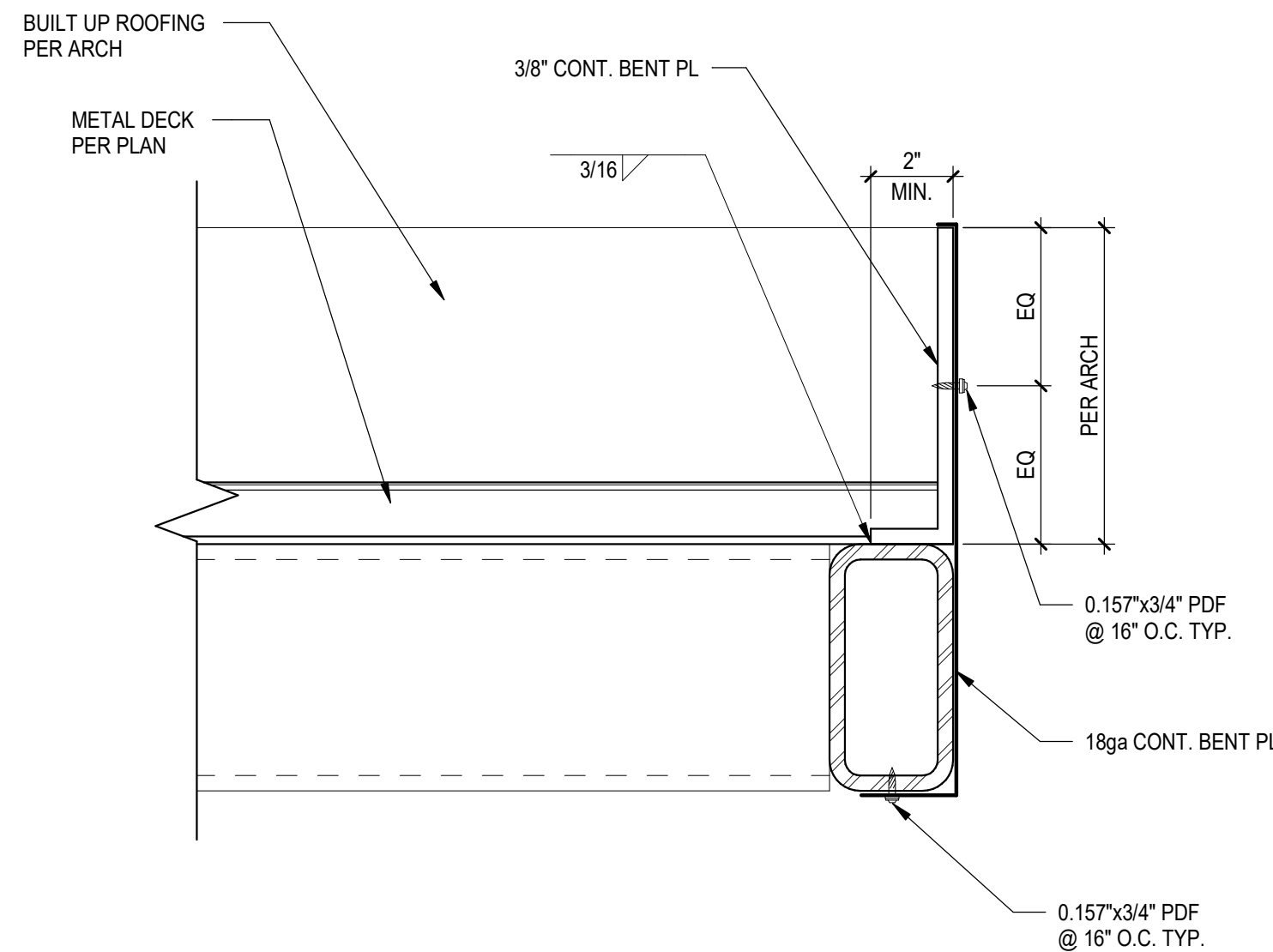
5 BOXED BEAM HEADER
NTS



1 HSS BEAM CANTILEVER CONNECTION
3" = 1'-0"



2 ROOF EDGE CONNECTION
3" = 1'-0"



3 EDGE BEAM CONNECTION
3" = 1'-0"

S5.5

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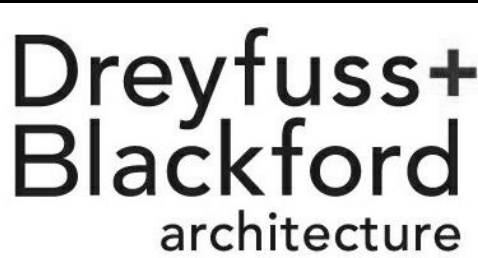
I STREET BRIDGE REPLACEMENT OPERATOR HOUSE
OVER SACRAMENTO RIVER
DETAILS

C1007.00

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HVAC LEGENDS AND NOTES

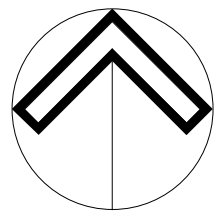
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DUCT LEGEND		
SINGLE LINE SYMBOL	DOUBLE LINE SYMBOL	DESCRIPTION
		RECTANGULAR DUCT: WIDTH x DEPTH (PLAN VIEW) DEPTH x WIDTH (SECTION VIEW)
		ACOUSTICALLY LINED RECTANGULAR DUCT - DIMENSIONS ARE OUTSIDE
		MANUAL AIR DAMPER
		RISE OR DROP DUCT IN DIRECTION OF AIR FLOW
		RECTANGULAR TO RECTANGULAR TRANSITION OR ROUND TO ROUND TRANSITION, MAX. SLOPE OF 1:3
		RECTANGULAR TO ROUND TRANSITION, MAX. SLOPE OF 1:3
		ELBOW, RECTANGULAR, SMOOTH RADIUS, WITHOUT TURNING VANES
		SQUARE/RECTANGULAR DUCT ELBOW WITH TURNING VANES
		CONVERGING OR DIVERGING TEE, 45° ENTRY, RECTANGULAR MAIN AND BRANCH, WHEN REDUCING MAIN, SIDE OF TAKE OFF OR ENTRY BRANCH TO BE FLAT, OTHER SIDES MAX. SLOPE OF 1:3
		ROUND DUCT TAKE OFF FROM RECTANGULAR VIA SMOOTH CONVERGING BELL MOUTH
		RECTANGULAR DUCT TEE, MAX. SLOPE OF 1:3 ON THE 2 BRANCHES, THROAT SIZED FOR EQUAL PRESSURE DROP
		RECTANGULAR DUCT SPLIT, MAX. SLOPE OF 1:3, THROAT SIZED FOR EQUAL PRESSURE DROP
		3-WAY RECTANGULAR SPLIT WITH TWO TRANSITIONAL ELBOWS AND TRANSITIONING MAIN, DOWNSTREAM MAX. SLOPE OF THE TREE BRANCHES, THROATS SIZED FOR EQUAL PRESSURE DROP.
		FOR CONCEALED DUCT: DROP TO DIFFUSER SHALL BE FULL SIZE OF DIFFUSER NECK, FOR EXPOSED DUCT: DROP SHALL BE FULL SIZE OF OD DIFFUSER FRAME, FLANGE FOR MOUNTING DIFFUSER TURNED IN, AIR EXTRACTOR AND EQUALIZER GRID AT CONNECTION TO MAIN.
		SUPPLY AIR, SUPPLY AIR IN SECTION, SUPPLY AIR DROP, SUPPLY AIR RISE
		RETURN AIR, RETURN AIR IN SECTION, RETURN AIR DROP, RETURN AIR RISE
		EXHAUST AIR, EXHAUST AIR IN SECTION, EXHAUST AIR DROP, EXHAUST AIR RISE

MECHANICAL GENERAL NOTES	
1.	ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, AND INDUSTRY STANDARDS.
2.	VERIFY EXACT LOCATION OF ALL (E) EQUIPMENT, DUCTWORK, DIFFUSERS, REGISTERS, AND GRILLES. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN (E) SYSTEMS AND DRAWINGS.
3.	COORDINATE EXACT LOCATION OF EQUIPMENT AND ALL PENETRATIONS THROUGH ROOF, FLOORS, AND WALLS WITH ARCHITECTURAL STRUCTURAL SYSTEMS PRIOR TO COMMENCING WORK.
4.	COORDINATE EXACT SIZE AND ROUTING OF DUCTWORK WITH ARCHITECTURAL PLANS, STRUCTURE, AND EQUIPMENT PRIOR TO COMMENCING WORK.
5.	SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING DIFFUSERS, REGISTERS, AND GRILLES.
6.	FURNISH AND INSTALL MANUAL AIR DAMPERS AT ALL DUCT BRANCH TAKEOFFS TO A SINGLE DIFFUSER, GRILLE, OR REGISTER.
7.	FLEXIBLE DUCTWORK CONNECTIONS TO CEILING DIFFUSERS ARE LIMITED TO 5' MAXIMUM LENGTH.
8.	ALL DUCTWORK, CEILING DIFFUSERS/REGISTERS/GRILLES, EQUIPMENT, PIPING, ETC. ARE NEW U.O.N. (SHOWN HEAVY), (E) DUCTWORK, PIPING, ETC. IS SHOWN LIGHT. SEE LEGEND.
9.	(E) DUCTWORK AND ITEMS TO BE REMOVED ARE SHOWN CROSSED ("X") OUT, SEE LEGEND. COORDINATE CLOSELY WITH (N) DUCTWORK AND P.O.C.'S SHOWN. ALL OTHER (E) DUCTWORK, ETC. TO REMAIN.
10.	WHERE INLET DUCT DIAMETER AND DIFFUSER NECK SIZE ARE THE SAME (I.E. 9"ø AND 9x9) CONTRACTOR SHALL OVERSIZE THE SHEET METAL PLENUM TO ACCOMMODATE THE ROUND DUCT CONNECTION.
11.	THERMOSTATS AND ROOM TEMPERATURE SENSORS SHALL BE INSTALLED AT +46" ABOVE FINISHED FLOOR (TO TOP OF DEVICE), DO NOT INSTALL THERMOSTATS AND ROOM TEMPERATURE SENSORS ABOVE CASEWORK, SHELVING OR OTHER OBSTRUCTIONS OVER 24" IN DEPTH AND 34" IN HEIGHT.

MEP COMPONENT ANCHORAGE NOTE	
ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:	
1.	ALL PERMANENT EQUIPMENT AND COMPONENTS.
2.	TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3.	MOVABLE EQUIPMENT THAT IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF THAT DIRECTLY SUPPORT THE EQUIPMENT ARE TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.
THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.	
A.	COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B.	COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTION SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.
FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.	

PIPING, DUCTWORK & ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE	
PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.	
THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPM #)	
COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING THE BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.	
THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.	

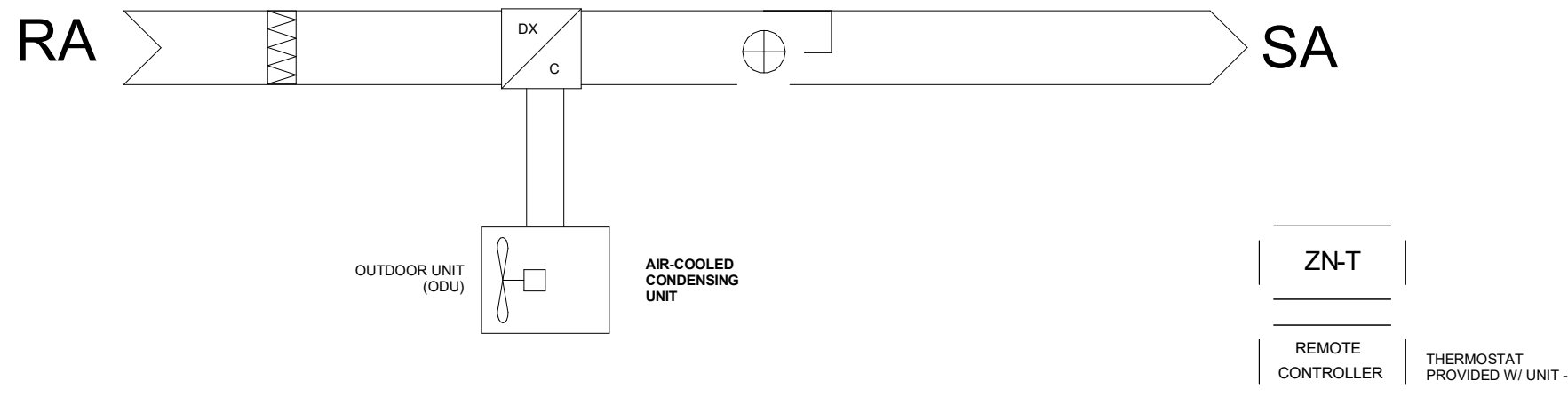


NORTH

M0.01

SPLIT SYSTEM INDOOR UNIT SCHEDULE										SPLIT HP OUTDOOR UNIT SCHEDULE																
EQUIPMENT TAG	MODEL NO	REFRIGERANT LINE SIZE		ELECTRICAL		MOUNTING DETAIL	CONTROL DIAGRAM	OPER WT (LBS)	REMARKS	EQUIP TAG	"MITSUBISHI" MODEL NO.	COOLING CAP. (MBH)	HEAT CAP. (MBH)	REFRIGERANT LINES		ELECTRICAL DATA			SEER (SEER2)	EER (EER2)	HSPF (HSPF2)	COP	MOUNTING DETAIL	CONTROL DIAGRAM	OPER WT (LBS)	NOTES
		RL (IN)	RS (IN)	VOLT	PHASE									RL (IN)	RS (IN)	VOLT/PH	MCA	MOCP								
SAC-1	PKA-AK36NL	3/8	5/8	208	1	1/M5.01	1/M0.02	50	1-6	SCU-1	PUY-AK36NL	36	-	3/8	5/8	208/1	34	56	(20.3)	(12)	-	-	2/M5.1	1/M0.02	225	1-6
SAC-2	PLA-AE24NL	3/8	5/8	208	1	2/M5.01	1/M0.02	60	1-7	SCU-2	PUZ-AH24NL	24	29	3/8	5/8	208/1	22	37	(22.6)	(13.2)	(9.8)	4.1	2/M5.1	1/M0.02	155	1-7

- NOTES:
1. INSTALL MANUFACTURER'S REFRIGERANT LINESET IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PROVIDE ADDITIONAL REFRIGERANT PIPING WHERE REQUIRED.
 2. PROVIDE WITH FACTORY WASHABLE FILTERS.
 3. UNIT PROVIDED WITH INTEGRAL CONDENSATE PUMP. NO SEPARATE POWER CONNECTION REQUIRED.
 4. PROVIDE WITH MANUFACTURER'S WALL MOUNTED PROGRAMMABLE THERMOSTAT.
 5. EMS SYSTEM SHALL MONITOR ROOM TEMPERATURE
 6. INDOOR UNIT POWERED FROM OUTDOOR UNIT. CONTRACTOR SHALL PROVIDE POWER AND CONTROL WIRING BETWEEN INDOOR AND OUTDOOR UNIT.
 7. PROVIDE WITH MULTI-FUNCTION 1-INLET CASEMENT FOR 60 CFM OSA AND MERV13 FILTER.



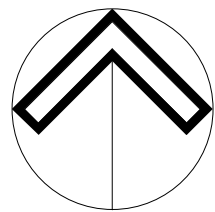
Sequence of Operation

PROGRAM CONTROL:
The unit will operate via its manufacture provided thermostat to maintain a zone temperature set point of 75.

SPLIT SYSTEM CONTROL

SCALE : NONE

1
M0.02



NORTH

M0.02

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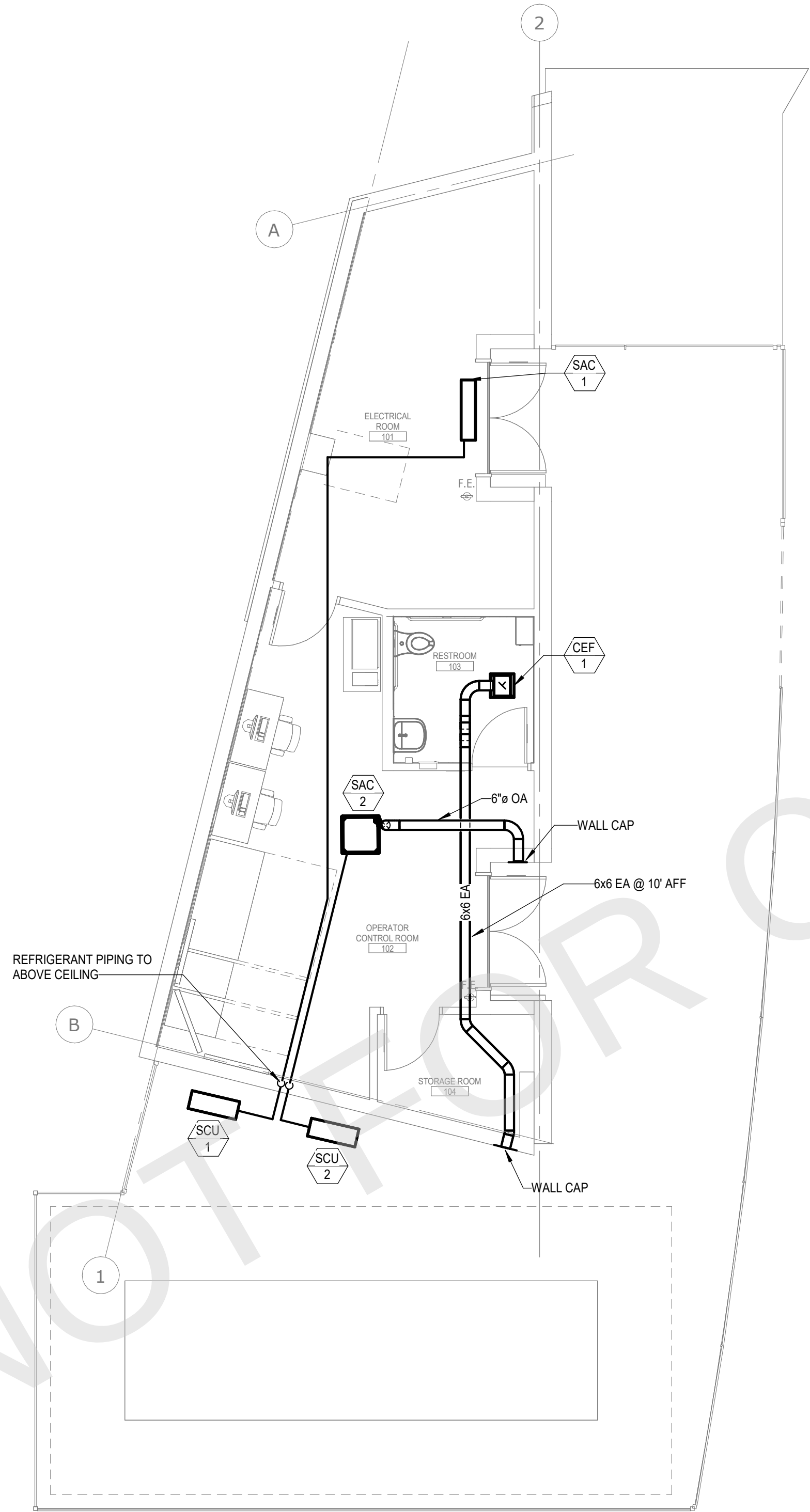
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HVAC SCHEDULES	
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1 HVAC FLOOR PLAN
M2.01 SCALE: 3/16" = 1'-0"



M2.01

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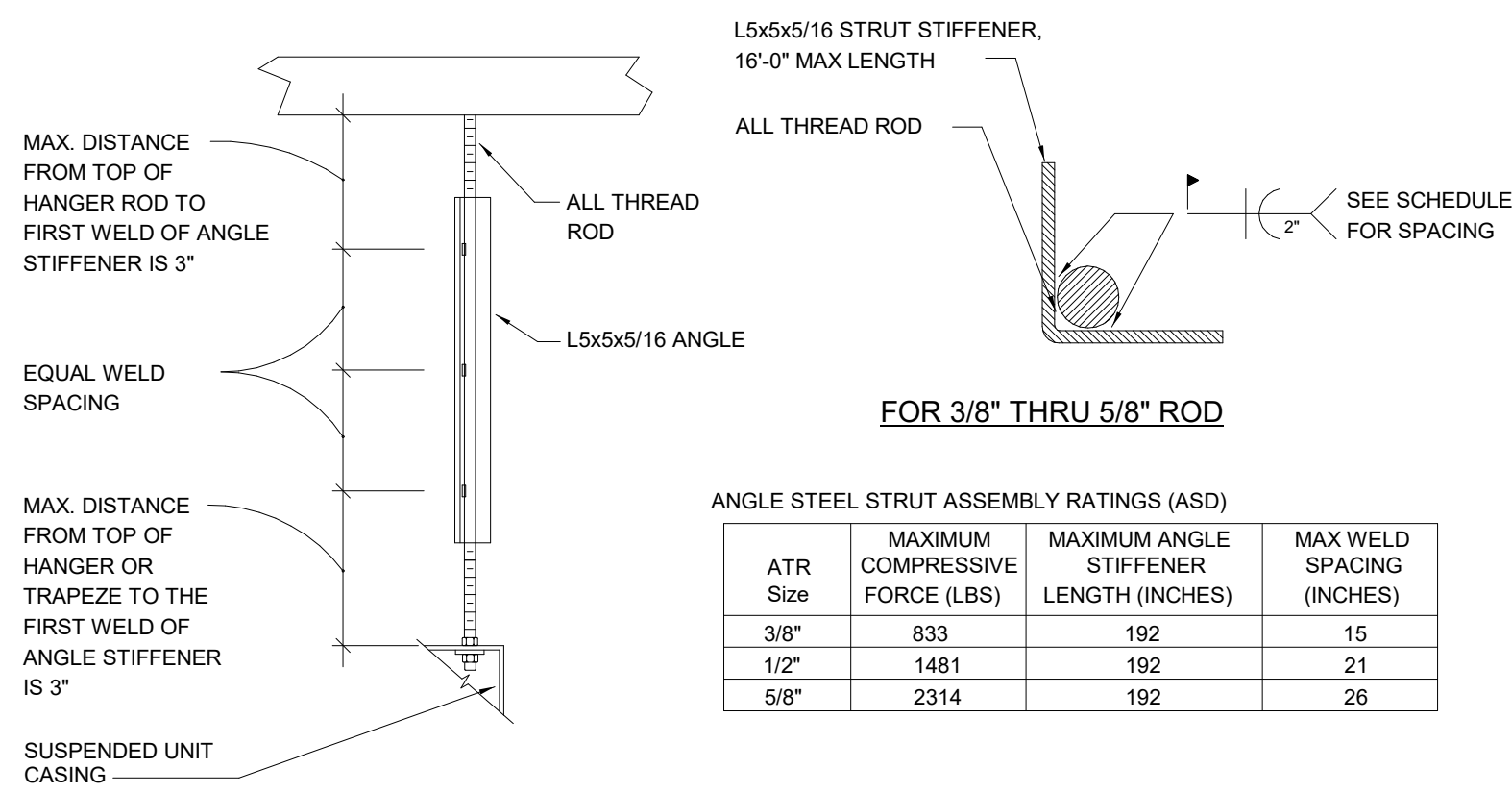
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HVAC FLOOR PLAN

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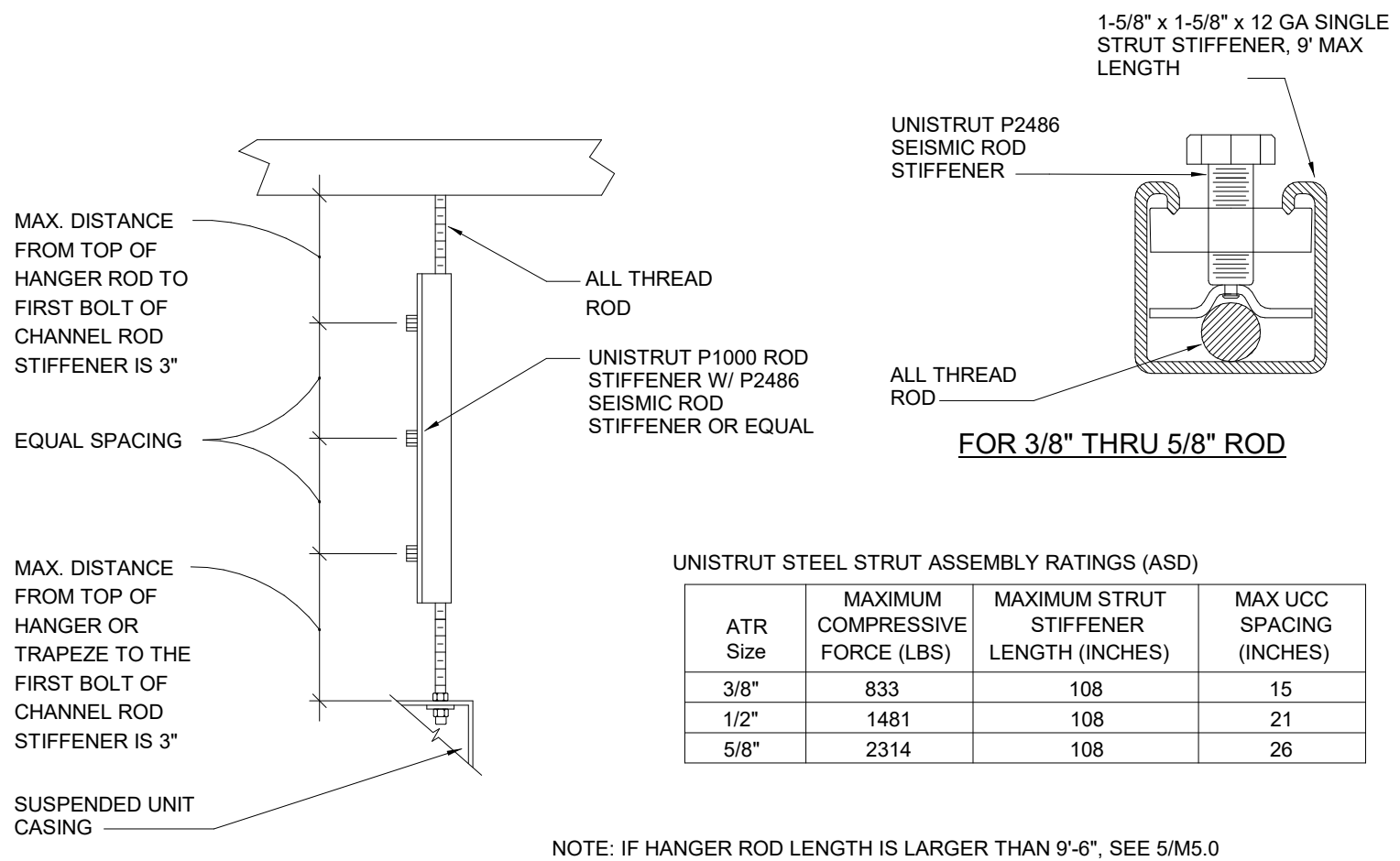
FOR 3/8" THRU 5/8" ROD

ATR Size	MAXIMUM COMPRESSIVE FORCE (LBS)	MAXIMUM ANGLE STIFFENER LENGTH (INCHES)	MAX WELD SPACING (INCHES)
3/8"	833	192	15
1/2"	1481	192	21
5/8"	2314	192	26

ROD STIFFENER DETAIL (ROD LENGTHS < 16'-0")

SCALE : NONE

5
M5.01



FOR 3/8" THRU 5/8" ROD

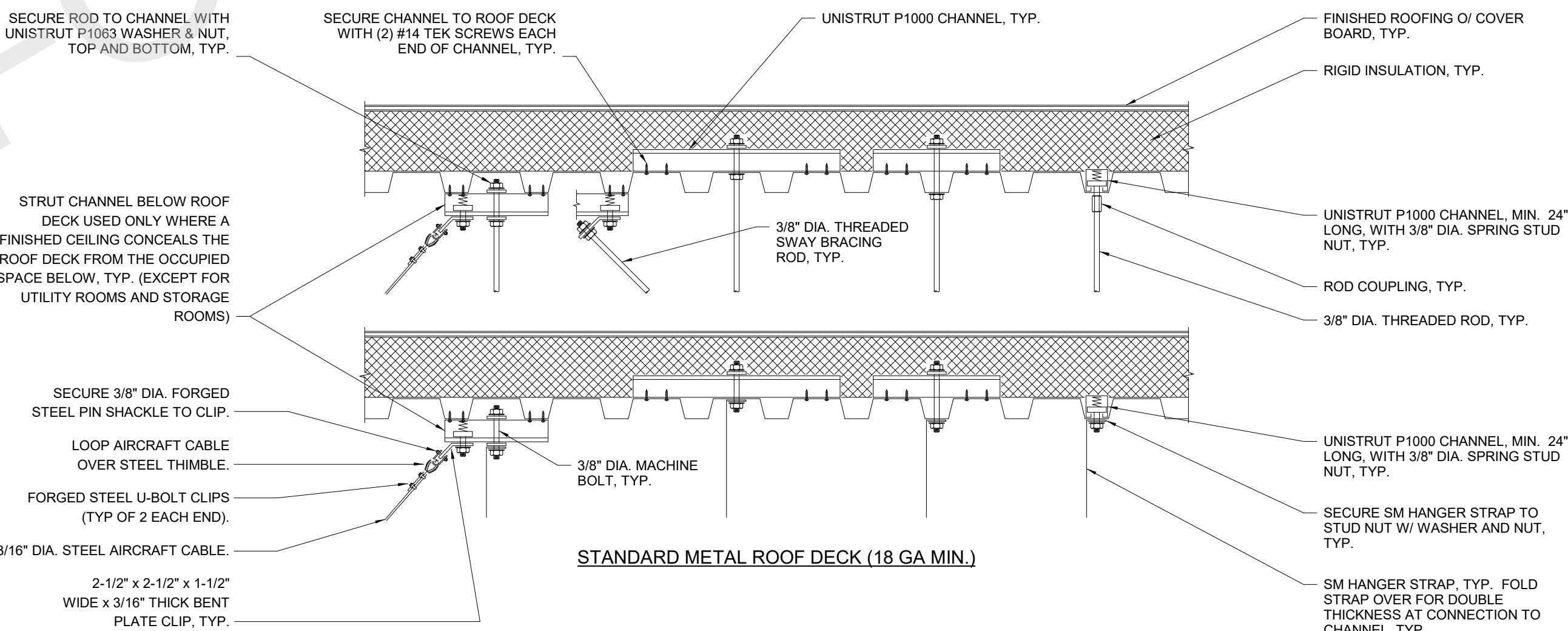
ATR Size	MAXIMUM COMPRESSIVE FORCE (LBS)	MAXIMUM STRUT STIFFENER LENGTH (INCHES)	MAX UCC SPACING (INCHES)
3/8"	833	108	15
1/2"	1481	108	21
5/8"	2314	108	26

NOTE: IF HANGER ROD LENGTH IS LARGER THAN 9'-6", SEE 5/M5.0

ROD STIFFENER DETAIL (ROD LENGTHS < 9'-6")

SCALE : NONE

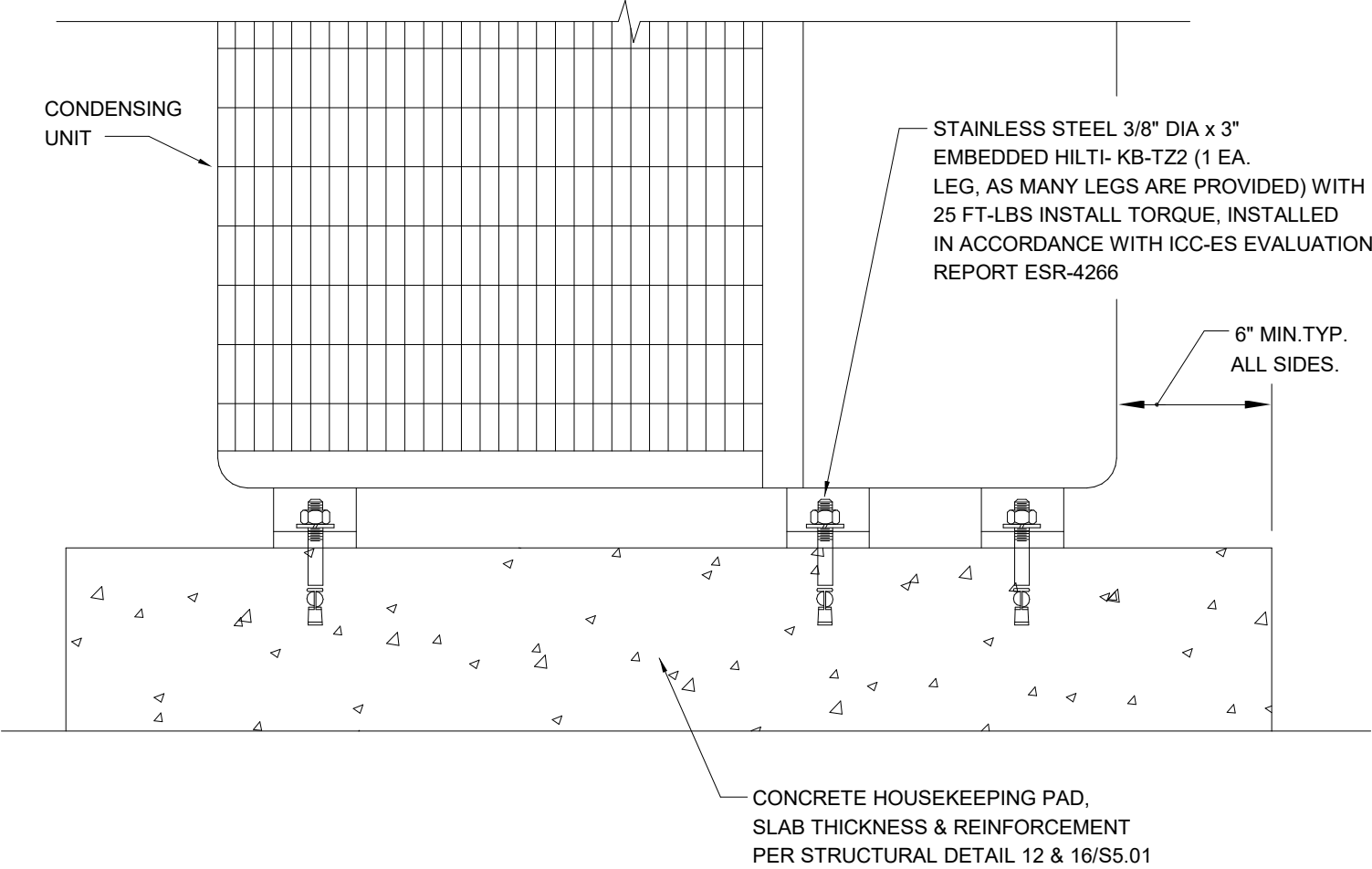
6
M5.01



UPPER ATTACHMENT AT METAL ROOF DECK (MAX. HANGER LOAD = 200 lbs.)

SCALE : NONE

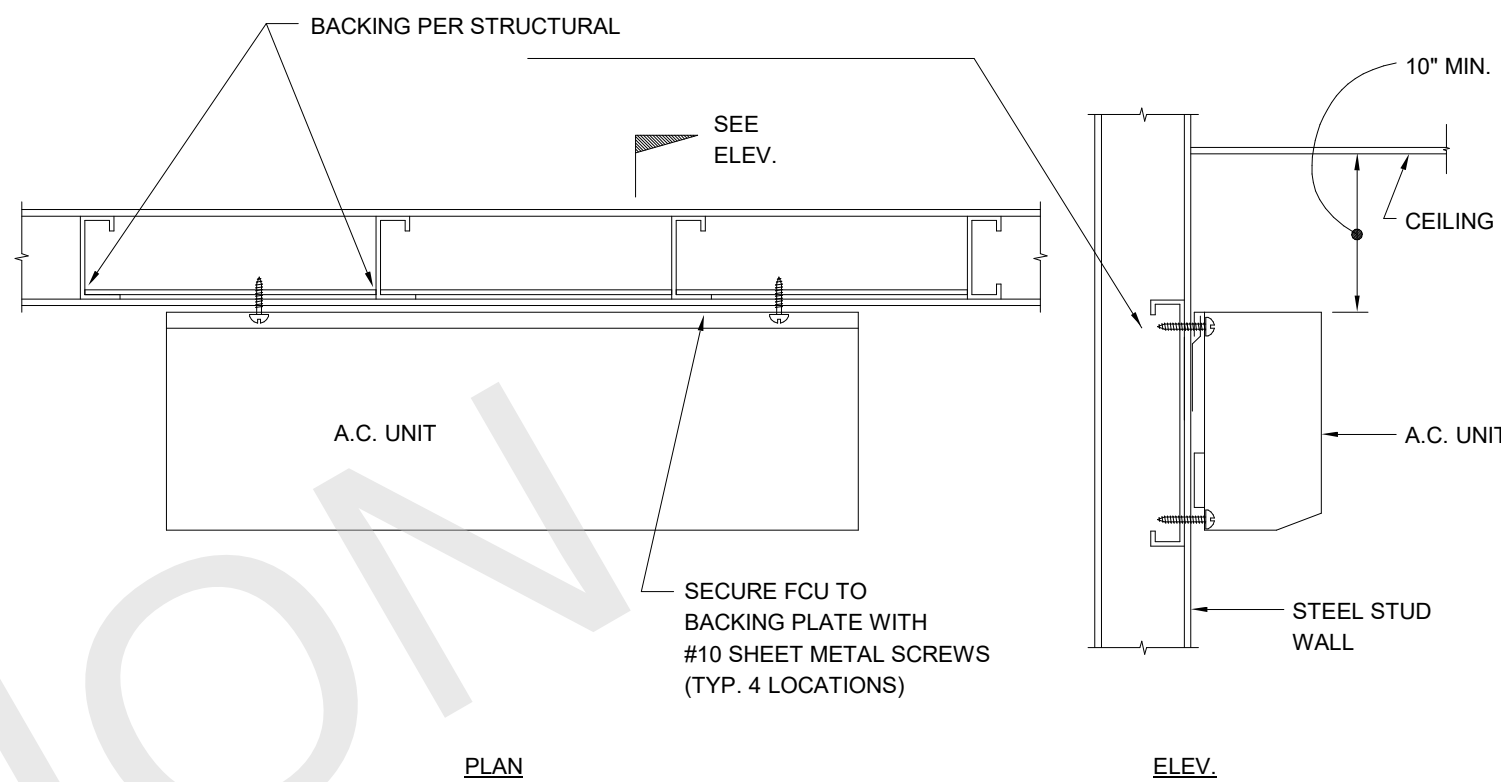
3
M5.1



SCU GRADE MOUNTING

SCALE : NONE

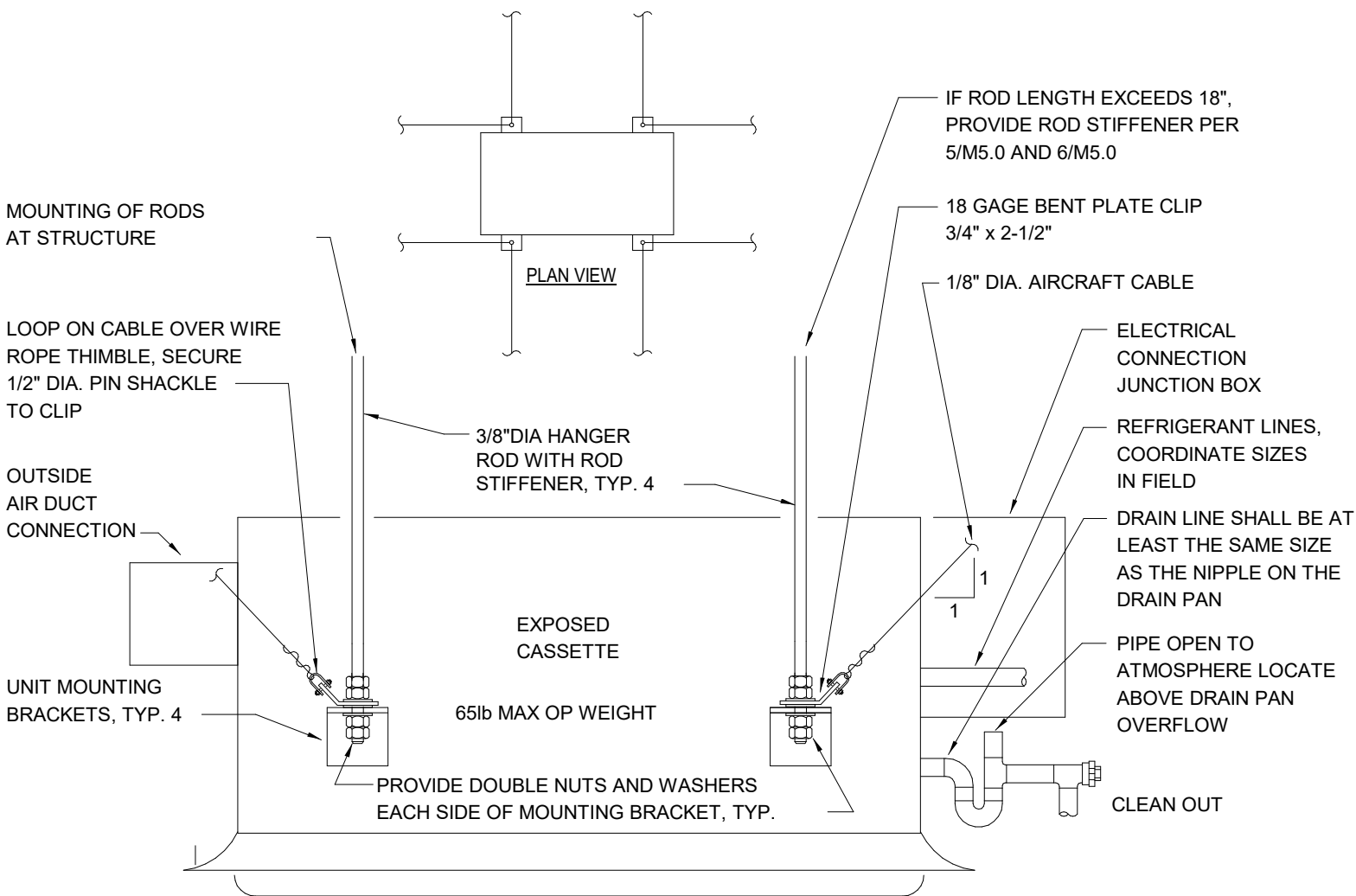
4
M5.01



SAC MOUNTING

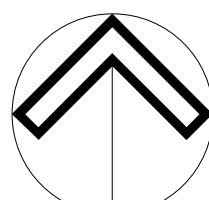
SCALE : NONE

1
M5.01



CASSETTE SAC MOUNTING

2
M5.01



NORTH

M5.01

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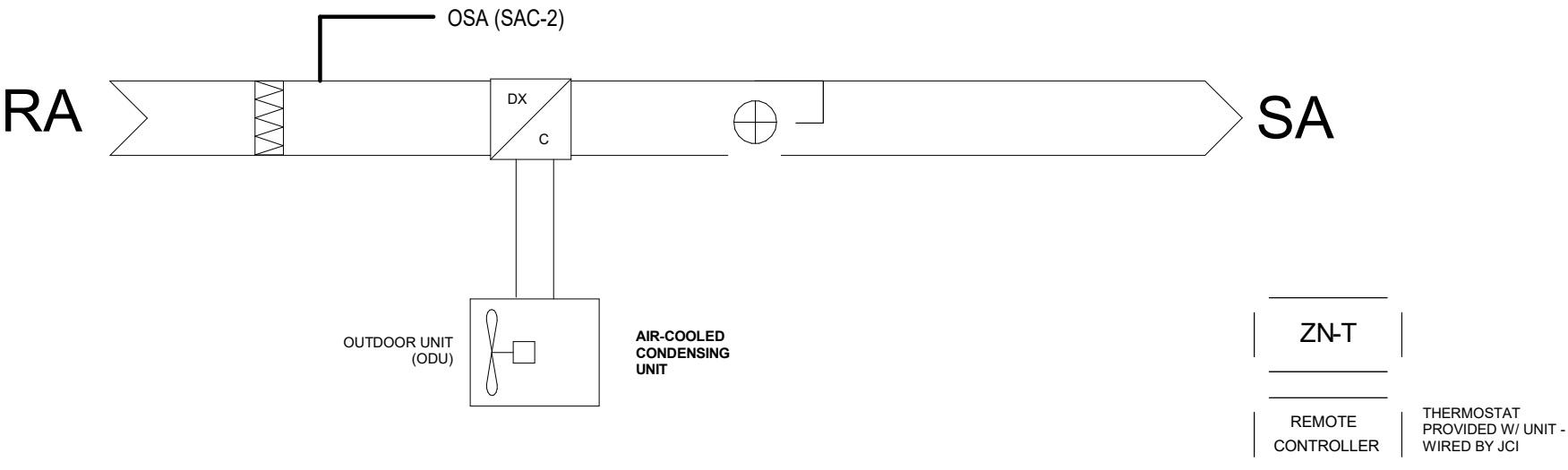
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HVAC DETAILS

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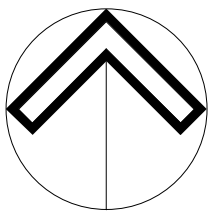


Sequence of Operation
PROGRAM CONTROL:
The unit will operate via its manufacture provided thermostat to maintain a zone temperature set point of 75.

SPLIT SYSTEM CONTROL

SCALE : NONE

1
M6.01



M6.01

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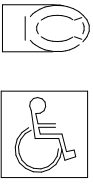
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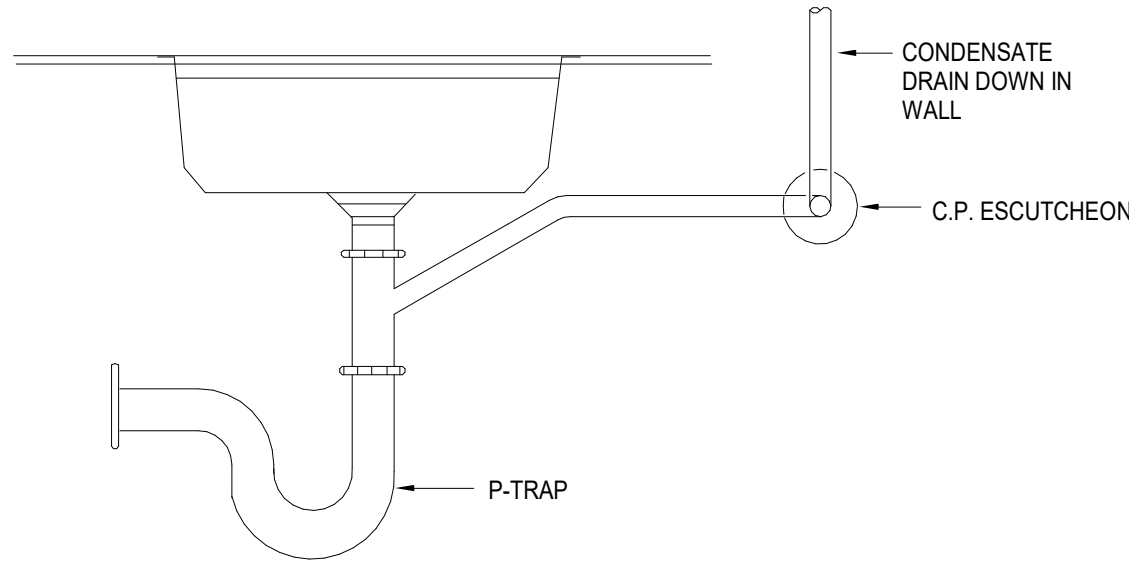
HVAC CONTROLS

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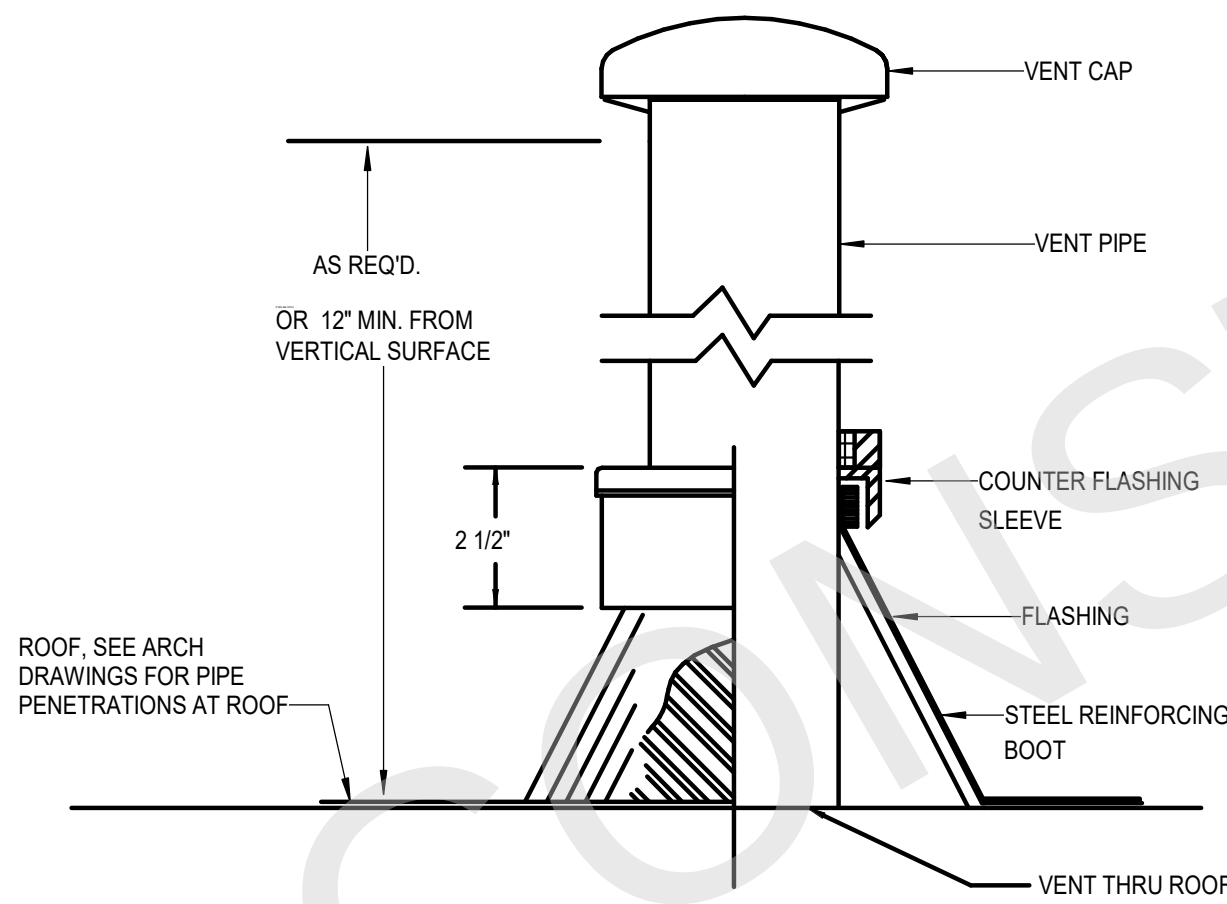
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PLUMBING FIXTURE SPECIFICATION & CONNECTION SCHEDULE

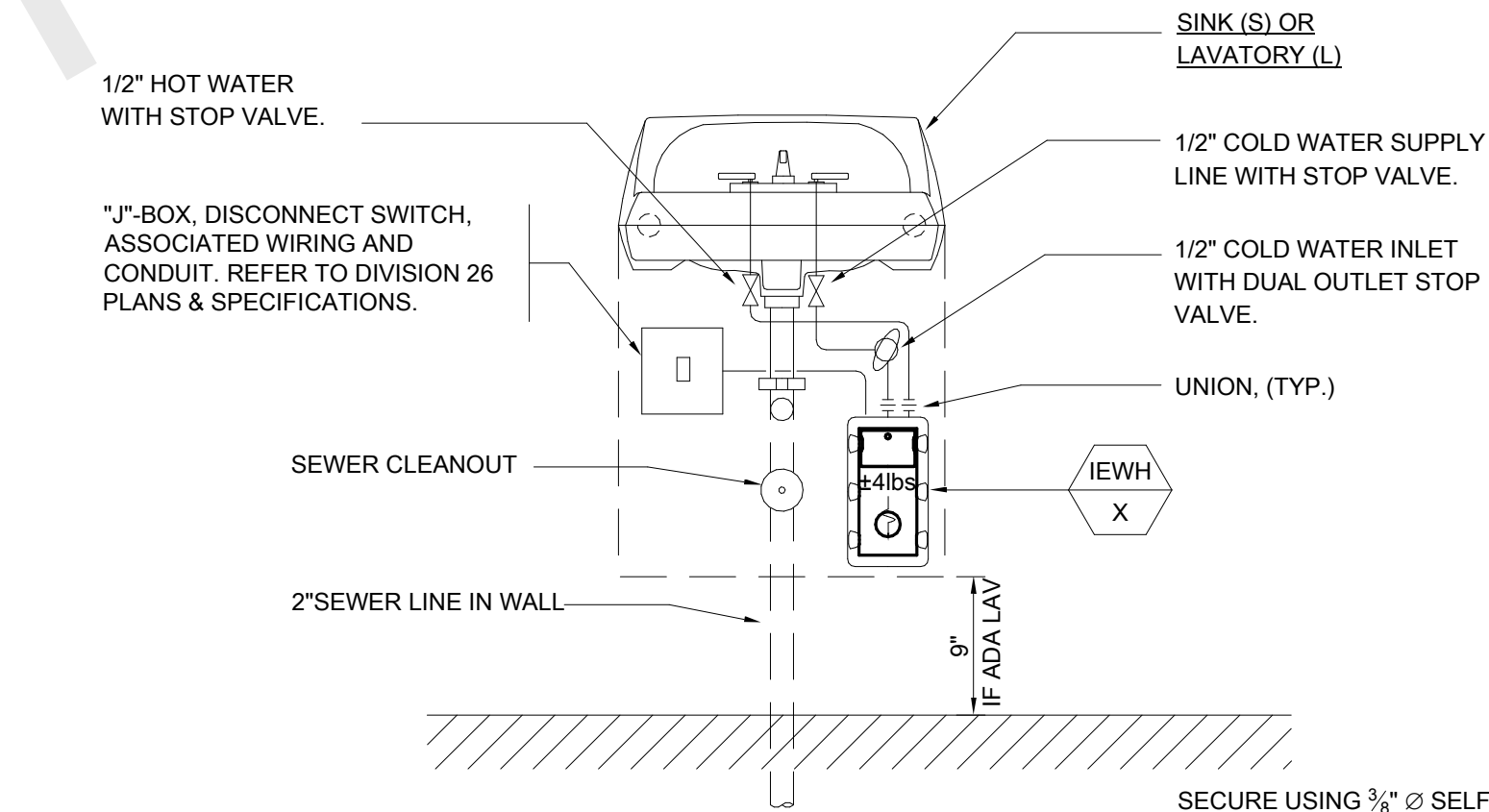
ADA	SYMBOL	FIXTURE	FIXTURE MANUFACTURER AND MODEL No.	FAUCET OR VALVE MANUFACTURER AND MODEL No.	TRIM MANUFACTURER AND MODEL No.	REMARKS	VENT	WASTE		COLD WATER		HOT WATER	
								BRANCH	OUTLET	BRANCH	OUTLET	BRANCH	OUTLET
	WC-1	WATER CLOSET WALL MOUNTED FLUSH VALVE ACCESSIBLE	"KOHLER" KINGSTON 1.28, NO. K84325-SS-0, WALL HUNG, VITREOUS CHINA, ELONGATED, SIPHON JET ACTION, 1-1/2" TOP SPUD, 1.28 GPF (1.0GPF-1.6GPF), ANTIMICROBIAL SURFACE REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AT EACH FIXTURE LOCATION.	"SLOAN" ROYAL WES-111 DUAL FLUSH 1.6/1.1 1.28GPF EFFECTIVE, POLISHED CHROME FINISH, EXPOSED MANUAL FLUSHOMETER	SEAT: "CHURCH" MODEL 285SSCT OR "BEMIS" MODEL 195SSCT, PROVIDE WITH SELF- SUSTAINING CONCEALED CHECK HINGES, ONE PIECE STAINLESS STEEL POST HINGES, WHITE COLOR, CARRIER: "JAY R. SMITH" 100 OR 200 SERIES OR 500# RATED "ZURN" Z1201 AND Z1202 SERIES PROVIDE REAR SUPPORT LUG AND ANCHOR FOOT ASSEMBLY, ("ZURN" ZN1202-N4 NARROW WALL CARRIER SHALL BE USED WHERE WALL CHASE SPACE IS LIMITED)	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS, WHERE USED FOR CBC ACCESSIBLE WATER CLOSETS, THE FLUSH VALVE HANDLE SHALL BE MOUNTED ON THE WIDE SIDE OF THE WATER CLOSET ENCLOSURE.	2"	4"	4"	2"	1"	-	-
	L-1	LAVATORY WALL MOUNTED HOT AND COLD WATER STD/ACCESSIBLE	"KOHLER" KINGSTON NO. K-2005 WALL HUNG, VITREOUS CHINA WITH CONTOURED BACK AND SIDE SPLASH SHIELDS, FRONT OVERFLOW, CONCEALED ARM RECESS, 4" CENTERS, 21-1/4" x 18-1/8" D SHAPED BOWL.	"CHICAGO" 420-E39ABCP, 4" DECK MOUNT MANUAL MIXING FAUCET, CERAMIC OPERATING CARTRIDGE WITH VOLUME CONTROL AND HOT WATER LIMIT STOP, SET FOR HOT WATER OUTLET AT 105°F, 0.35 GPM, ADA COMPLIANT.	ADA COMPLIANT, LAVATORY GRID DRAIN WITH 1-1/4" OFFSET TAILPIECE, INTEGRAL PERFORATED GRID NO. 7723.018, CHROME FINISH, MOUNT P-TRAP FLUSH TO WALL, CARRIER: "JAY R. SMITH" 0700 OR ZURN Z1231	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS, PROVIDE CONCEALED ARMS AND FLOOR SUPPORT, WITH FEET OF SUPPORT SECURELY ANCHORED TO FLOOR, IN ADDITION ANCHOR TOP OF SUPPORT TO WALL CONSTRUCTION.	1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"



3 CONDENSATE DRAIN CONNECTION
P0.02 SCALE: NONE



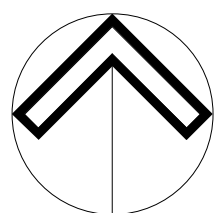
1 VENT THRU ROOF
P0.02 SCALE: NONE



2 INSTANTANEOUS ELECTRIC WATER HEATER MOUNTING
P0.02 SCALE: NONE

INSTANTANEOUS WATER HEATER SCHEDULE										
EQUIP TAG	MFR	MODEL	TEMP RISE [F]	FLOW [GPM]	TEMP SETTING [F]	ELECTRICAL DATA		OPER WT [LBS]	MOUNTING DETAIL	NOTES
						VOLT/PH	WATTS			
IWH-1	CHRONOMITE	M-30L	53	0.35	110	208/1	6240	10	2/P0.02	

CEILING EXHAUST FAN SCHEDULE											
EQUIPMENT TAG	"GREENHECK" MODEL NO	CFM	ESP [IN WG]	RPM	ELECTRICAL DATA			OPER WT (LBS)	MOUNTING DETAIL	CONTROL DETAIL	NOTES
					VOLT/PH	W	BHP				
CEF-1	SP-A90	50	0.300	009	115/1	14	0.01	12			



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P0.02

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PLUMBING SCHEDULES

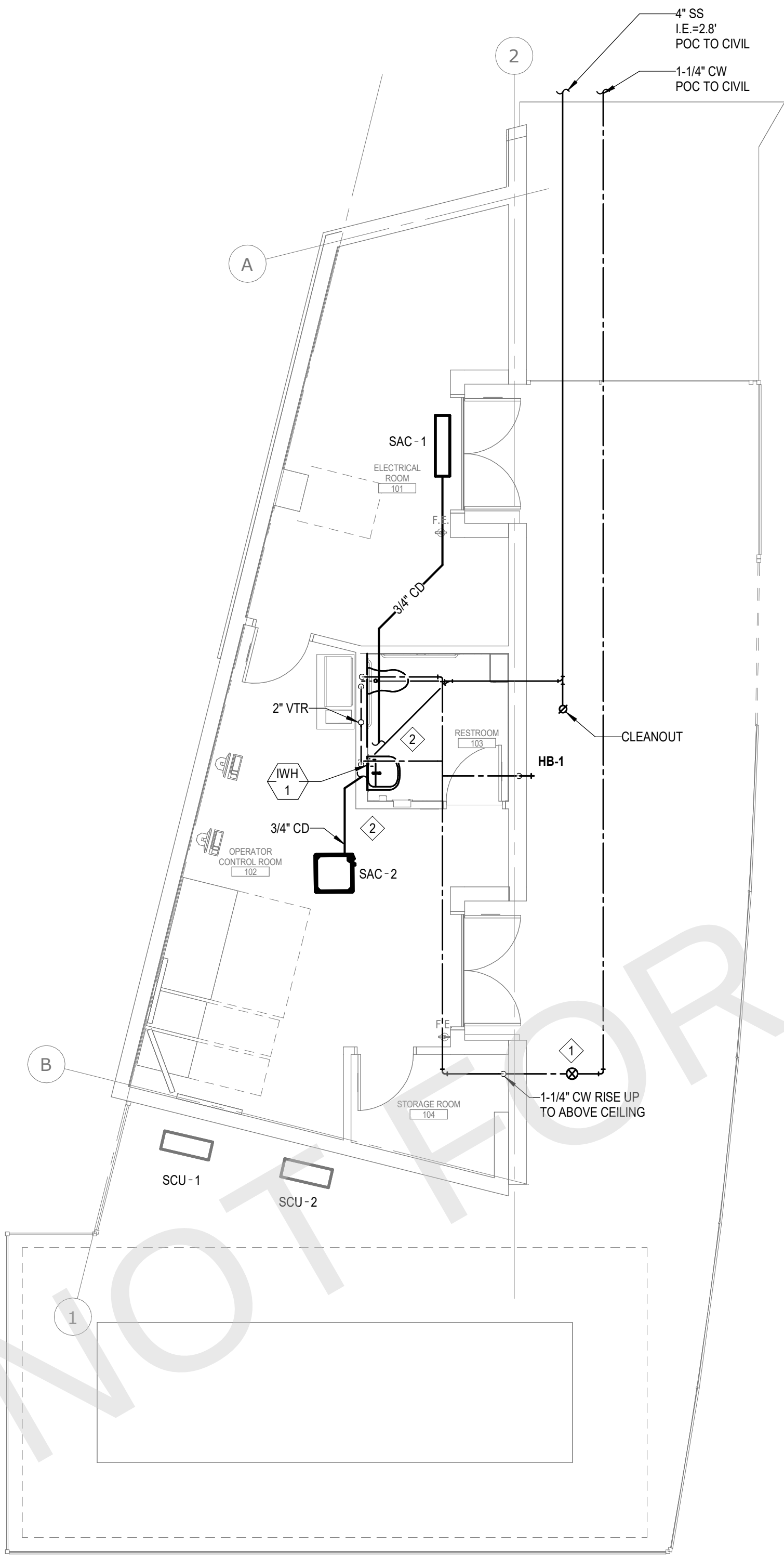
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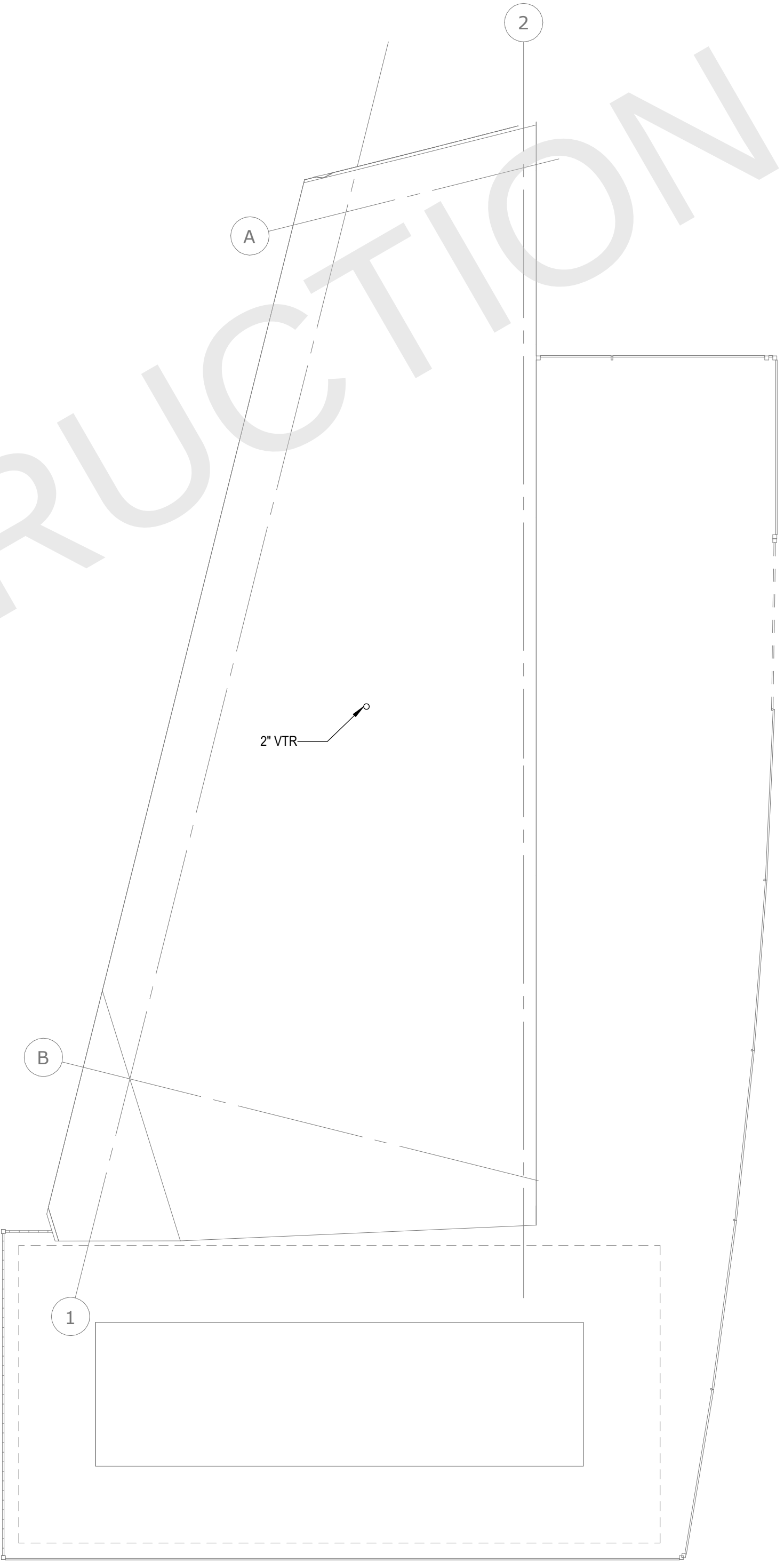
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KEYNOTES:

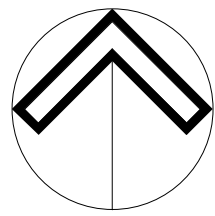
- 1 DOMESTIC WATER BUILDING SHUT-OFF VALVE, IN VALVE BOX.
- 2 ROUTE CONDENSATE PIPE TO SINK/LAV TAILPIECE OR FLOOR SINK.



1 PLUMBING FLOOR PLAN
P2.01 SCALE: 3/16" = 1'-0"



2 PLUMBING ROOF PLAN
P2.01 SCALE: 3/16" = 1'-0"



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P2.01

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PLUMBING FLOOR PLAN

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SYMBOLS LIST				SOME OF THESE SYMBOLS SHOWN MAY NOT BE USED ON THIS PROJECT				ABBREVIATIONS																														
POWER DISTRIBUTION				WIRING DEVICES				LIGHTING																														
SWITCHGEAR, SWITCHBOARD, DISTRIBUTION BOARD, SUBSTATION OR MOTOR CONTROL CENTER, FLOOR MOUNTED ON CONCRETE HOUSEKEEPING PAD WHERE INDICATED ON DRAWINGS. DOUBLE LINE INDICATES FRONT FACE OF GEAR. DISTRIBUTION BOARD, SURFACE MOUNTED ON WALL. PANELBOARD, 277/480V, SURFACE MOUNTED ON WALL. PANELBOARD, 277/480V, FLUSH MOUNTED IN WALL. PANELBOARD, 120/208V, SURFACE MOUNTED ON WALL. PANELBOARD, 120/208V, FLUSH MOUNTED IN WALL. DRY-TYPE STEP-DOWN TRANSFORMER, FLOOR MOUNTED 480-120/208V 3Ø, UON. DOUBLE LINE INDICATES FRONT FACE OF TRANSFORMER. ELECTRIC MOTOR, NIEC. MAKE POWER CONNECTIONS ONLY AS NOTED ON PLANS. EXHAUST FAN MOTOR, SINGLE PHASE, NIEC. MAKE POWER CONNECTIONS TO INCLUDE JUNCTION BOX MOUNTED, FRACTIONAL HORSEPOWER MANUAL MOTOR STARTER WITH INTEGRAL DISCONNECT ADJACENT TO FAN WITH 2 #12 CONDUCTORS PLUS GROUND IN 1/2" FLEXIBLE CONDUIT BETWEEN STARTER AND MOTOR. INDOOR FAN POWERED VAV BOX MOTOR, SINGLE PHASE, NIEC. MAKE POWER CONNECTIONS TO INCLUDE JUNCTION BOX MOUNTED, FRACTIONAL HORSEPOWER MANUAL MOTOR STARTER WITH INTEGRAL DISCONNECT ADJACENT TO VAV BOX WITH 2 #12 CONDUCTORS PLUS GROUND IN 1/2" FLEXIBLE CONDUIT BETWEEN STARTER AND MOTOR. MOTOR OPERATED FIRE/SMOKE DAMPER 'FSD', NIEC. SYMBOL DENOTES INTERFACE FOR POWER CONNECTIONS WITH LOCAL DISCONNECT MEANS. ADJACENT NUMBER INDICATES QUANTITY OF ACTUATORS PER FSD, EACH REQUIRING A POWER CONNECTION, IF MORE THAN 1. FOR FIRE ALARM REQUIREMENTS AT FSD, REFER TO FIRE ALARM SYMBOLS. COMBINATION EXHAUST FAN AND DOWNLIGHT, CEILING MOUNTED. FAN AND LIGHT SHALL BE CONTROLLED SEPARATELY. PULLBOX OR HANDHOLE, SIZE AND TYPE AS NOTED ON PLANS. SAFETY DISCONNECT SWITCH, 3 POLE, UON. ADJACENT NUMBER INDICATES FUSE SIZE WHEN APPLICABLE. LABELING CONVENTION AS FOLLOWS: A: 30A, NON-FUSED AF: 30A, FUSED B: 60A, NON-FUSED BF: 60A, FUSED C: 100A, NON-FUSED CF: 100A, FUSED D: 200A, NON-FUSED DF: 200A, FUSED E: 400A, NON-FUSED EF: 400A, FUSED F: 600A, NON-FUSED FF: 600A, FUSED G: 800A, NON-FUSED GF: 800A, FUSED MAGNETIC MOTOR STARTER WITH INTEGRAL OVERCURRENT PROTECTION. ADJACENT NUMBER INDICATES NEMA SIZE OF STARTER. "HANDLE" DENOTES INTEGRAL DISCONNECT. PACKAGE MOTOR CONTROLLER OR STARTER FURNISHED AND INSTALLED UNDER ANOTHER DIVISION WITH EQUIPMENT CONTROLLED. PROVIDE SINGLE-POINT POWER SERVICE CONNECTION UNDER THIS DIVISION AS NOTED ON PLANS. DRIVEN GROUND ROD. DRIVEN GROUND ROD IN GROUND WELL WITH COVER. CABLE TO BUS TERMINATION LUGS. GROUP MOUNTED MOLDED CASE CIRCUIT BREAKER. GROUND FAULT RELAY INTEGRAL WITH CIRCUIT BREAKER. ELECTRICALLY OPERATED CIRCUIT BREAKER, INTEGRAL. SHUNT-TRIP INTEGRAL WITH OVERCURRENT PROTECTION DEVICES. KIRK-KEY INTERLOCK INTEGRAL WITH OVERCURRENT PROTECTION DEVICES. ADJACENT NUMBER CORRESPONDS WITH DEVICE INTERLOCK. PRIVATE METER, MOUNTED INTEGRAL WITH OVERCURRENT PROTECTION OR SEPARATE WITHIN SWITCHGEAR. UTILITY METER, MOUNTED IN UTILITY METER SECTION OF SWITCHGEAR OR SWITCHBOARDS. GROUND FAULT RELAY WITH SHUNT TRIP. GROUND FAULT ALARM, NO SHUNT TRIP. TRANSFORMER. CONNECTION TO GROUND. EMERGENCY GENERATOR. BATTERIES. NEUTRAL SERVICE DISCONNECT LINK. SURGE PROTECTION DEVICE, 'SPD'. DIGITAL METERING UNIT. GROUND BUS AS SHOWN ON SINGLE LINE DIAGRAMS. GROUND BUS AS SHOWN ON PLAN VIEWS. NEUTRAL BUS.				JUNCTION BOX, WALL MOUNTED, +18" UON. JUNCTION BOX, MOUNTED IN FLUSH FLOOR BOX. JUNCTION BOX, MOUNTED FLUSH IN CEILING. JUNCTION BOX, SURFACE OR PENDANT MOUNTED TO BOTTOM OF STRUCTURE IN ACCESSIBLE CEILING SPACE OR EXPOSED IN OPEN CEILING AREAS. JUNCTION BOX, MOUNTED ON CONDUIT STANCHION FLOOR PENETRATION, +12" UON. SINGLE-PLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED, +18" UON. DUPLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED, +18" UON. LETTERING ADJACENT TO THE DEVICE ON THE PLANS INDICATE THE FOLLOWING FOR THOSE RECEPTACLES. A: ARC FAULT CURRENT INTERRUPTER (AFCI) G: GROUND FAULT CURRENT INTERRUPTER (GFCI) IG: ISOLATED GROUND TR: TAMPER RESISTANT U: INTEGRAL USB PORTS WP: WEATHER-RESISTANT, GROUND FAULT CURRENT INTERRUPTER (GFCI) WITH WEATHERPROOF "IN USE" COVER DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED, +18" UON. DUPLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED OVER COUNTER, 6" ABOVE BACK SPLASH UON, BUT NO HIGHER THAN ADA REQUIREMENTS. DUPLEX CONVENIENCE RECEPTACLE DEVICE, SPLIT-WIRED, WALL MOUNTED, +18" UON. DUPLEX CONVENIENCE RECEPTACLE DEVICE, ON BACK-UP POWER SYSTEM, WALL MOUNTED, +18" UON. DUPLEX, OR DOUBLE DUPLEX, CONVENIENCE RECEPTACLE DEVICE, CONTROLLED PER T24, WALL MOUNTED, +18" UON. SPECIALTY OUTLET DEVICE, NEMA CONFIGURATION TYPE AS NOTED ON PLANS, WALL MOUNTED, +18" UON. SINGLE-POLE, MANUAL DISCONNECT SWITCH WITH THERMAL OVERLOAD ELEMENT, MOUNTED ADJACENT TO MOTOR. SINGLE-POLE, FRACTIONAL HORESPOWER MOTOR STARTER/DISCONNECT SWITCH, MOUNTED ADJACENT TO MOTOR. SWITCH FURNISHED UNDER ANOTHER DIVISION, BUT INSTALLED AND WIRED UNDER THIS DIVISION. WALL MOUNTED, +42" UON. LINE-VOLTAGE THERMOSTAT, NIEC, WALL MOUNTED +48" UON. INSTALLED AND WIRED BY ELECTRICAL. CONTROL STATION, WALL MOUNTED, +42" UON.				LUMINAIRE, RECESSED IN CEILING. LUMINAIRE, SURFACE MOUNTED. SUSPENDED LINEAR LUMINAIRE. SUSPENSION POINTS ARE GRAPHIC ONLY AND DO NOT REPRESENT ACTUAL LOCATION OR QUANTITY. LUMINAIRE, WALL MOUNTED. STRIP LUMINAIRE, SURFACE OR PENDANT MOUNTED. STRIP LUMINAIRE, SURFACE MOUNTED IN ARCHITECTURAL CEILING COVE. STRIP LUMINAIRE, SURFACE MOUNTED VERTICALLY ON WALL OR IN COVE. ROUND DOWNLIGHT LUMINAIRE, RECESSED IN CEILING. SQUARE DOWNLIGHT LUMINAIRE, RECESSED IN CEILING. DOWNLIGHT/INDUSTRIAL LUMINAIRE, SURFACE OR PENDANT MOUNTED. EXIT SIGN LUMINAIRE, CEILING OR WALL MOUNTED WITH DIRECTIONAL ARROWS AS NOTED ON PLANS. WORD 'EXIT' TO BE LOCATED IN SHADED FACE(S). COMBO EXIT SIGN AND EGRESS LUMINAIRE, CEILING OR WALL MOUNTED WITH ARROWS AS NOTED ON PLANS OR IN LUMINAIRE SCHEDULE. EMERGENCY SELF-POWERED BATTERY PACK WITH LUMINAIRE HEADS AS NOTED ON PLANS OR IN LUMINAIRE SCHEDULE. SHADING OF ANY LUMINAIRE INDICATES CRITICAL/STANDBY LIGHTING. HALF SHADING OF ANY LUMINAIRE INDICATES EMERGENCY/EGRESS LIGHTING. SINGLE-HEAD AREA LUMINAIRE WITH BRACKET ARM AND POLE, MOUNTED TO CONCRETE BASE. TWO-HEAD AREA LUMINAIRE WITH BRACKET ARMS AND POLE, MOUNTED TO CONCRETE BASE. SINGLE-HEAD AREA POST-TOP LUMINAIRE WITH POLE, MOUNTED TO CONCRETE BASE. AREA LUMINAIRE, SURFACE OR RECESSED MOUNTED TO WALL. LUMINAIRE BOLLARD, MOUNTED TO CONCRETE BASE. GROUNDWELL LUMINAIRE MOUNTED FLUSH IN FINISHED GRADE. FLOODLIGHT LUMINAIRE, STANCHION MOUNTED ABOVE GRADE. LINEAR SIGN-LIGHT LUMINAIRE, STANCHION MOUNTED ABOVE GRADE. STEPLIGHT LUMINAIRE, WALL MOUNTED.																														
LINE VOLTAGE LIGHTING CONTROL				SECURITY				CONVENTIONS																														
S SINGLE-POLE, SINGLE-THROW SWITCH, WALL MOUNTED, +42" UON. S³ THREE-WAY SWITCH, WALL MOUNTED, +42" UON. S⁴ FOUR-WAY SWITCH, WALL MOUNTED, +42" UON. S^D WALLBOX DIMMER SWITCH, +42" UON. SIZED PER CONNECTED LOAD ON PLANS AND FURNISHED FOR LAMP SOURCE SERVED. PROVIDED FOR DERATING WHEN INSTALLED GANGED LOCATIONS. S^{WP} SINGLE-POLE, SINGLE-THROW SWITCH WITH WEATHERPROOF COVER, WALL MOUNTED, +42" UON. S^M DUAL LEVEL OCCUPANCY SENSOR SWITCH, WALL MOUNTED, +42" UON. S^{M1} SINGLE LEVEL OCCUPANCY SENSOR SWITCH, WALL MOUNTED, +42" UON. S^{DM} COMBINATION OCCUPANCY SENSOR AND DIMMER SWITCH, WALL MOUNTED, +42" UON. OS OCCUPANCY SENSOR FOR AREA COVERAGE, CEILING MOUNTED. PC PHOTOELECTRIC CELL SENSOR, CEILING MOUNTED.				ALARM MONITORING CONTACT, MOUNTED AS NOTED ON PLANS. ELECTRIC DOOR LOCK, NIEC, BUT WIRED UNDER THIS DIVISION. ELECTRIC DOOR STRIKE, NIEC, BUT WIRED UNDER THIS DIVISION. ELECTROMAGNETIC DOOR LOCK, NIEC, BUT WIRED UNDER THIS DIVISION. ELECTRIFIED PANIC HARDWARE, NIEC, BUT WIRED UNDER THIS DIVISION. REQUEST-TO-EXIT SWITCH, NIEC, FURNISH WITH DOOR HARDWARE AND WIRED UNDER THIS DIVISION. POWER TRANSFER HINGE, NIEC. DOOR RELEASE MOTION SENSOR, WALL OR CEILING MOUNTED ABOVE DOOR, UON. REMOTE ELECTRIC LOCK RELEASE BUTTON, MOUNTED AS NOTED ON PLANS. DURESS STATION, MOUNTED AS NOTED ON PLANS. AREA MOTION SENSOR, CEILING MOUNTED, UON. AREA MOTION SENSOR, WALL MOUNTED, +84" UON. GLASS BREAK DETECTOR, CEILING MOUNTED, UON. CARD READER CONTROLLER, WALL MOUNTED, +42" UON. KEY PAD CONTROLLER, WALL MOUNTED, +42" UON. REMOTE MOUNTED POWER SUPPLY FOR LOW-VOLTAGE EQUIPMENT CONNECTIONS. CCTV CAMERA, CEILING OR PENDANT MOUNTED AS NOTED ON PLANS. CCTV CAMERA, WALL MOUNTED. CCTV MONITOR. INTRUSION ALARM CONTROL PANEL DOOR ACCESS CONTROL PANEL				NUMBERED NOTE, APPLIES TO ALL DRAWINGS. NUMBERED SHEET NOTE, APPLIES TO DRAWING CONTAINING NOTES ONLY. OVERCURRENT PROTECTIVE DEVICE NUMBER IDENTIFICATION TAG. REFERS TO LOCATION OF PROTECTIVE OR CONTROL DEVICE WITHIN SWITCHBOARDS, DISTRIBUTION BOARDS, MOTOR CONTROL CENTERS, ETC. EQUIPMENT IDENTIFICATION TAG: ITEM FURNISHED AND INSTALLED UNDER ANOTHER DIVISION AND WIRED UNDER THIS DIVISION. FEEDER TAG. REFER TO FEEDER SCHEDULE. DETAIL REFERENCE: DETAIL DESIGNATION SHEET NUMBER LUMINAIRE IDENTIFICATION TAG: LUMINAIRE TYPE QUANTITY																														
DIGITAL LIGHTING CONTROLS				SECURITY				ELECTRICAL SHEET INDEX																														
D SINGLE ZONE DIMMER SWITCH WITH ON/OFF/DIM CAPABILITIES, WALL MOUNTED, +42" UON. S SINGLE ZONE SWITCH WITH ON/OFF CAPABILITIES, WALL MOUNTED, +42" UON. SCS SCENE OR MULTI-ZONE CONTROLLER WITH ON/OFF/DIM CAPABILITIES ZONE, WALL MOUNTED, +42" UON. LI LIGHTING CONTROL OCCUPANCY SENSOR WITH DIMMING, WALL MOUNTED, +42" UON. LI LIGHTING CONTROL OCCUPANCY SENSOR WITH SINGLE LEVEL SWITCHING, WALL MOUNTED, +42" UON. DS DAYLIGHT HARVESTING SENSOR, CEILING MOUNTED. O OCCUPANCY SENSOR, CEILING MOUNTED FOR AREA COVERAGE. PLC PLUG LOAD CONTROLLER, UL LISTED FOR CONTROLLING RECEPTACLES, 20A RATED. LCP LIGHTING CONTROL PANEL.				ALARM MONITORING CONTACT, MOUNTED AS NOTED ON PLANS. ELECTRIC DOOR LOCK, NIEC, BUT WIRED UNDER THIS DIVISION. ELECTRIC DOOR STRIKE, NIEC, BUT WIRED UNDER THIS DIVISION. ELECTROMAGNETIC DOOR LOCK, NIEC, BUT WIRED UNDER THIS DIVISION. ELECTRIFIED PANIC HARDWARE, NIEC, BUT WIRED UNDER THIS DIVISION. REQUEST-TO-EXIT SWITCH, NIEC, FURNISH WITH DOOR HARDWARE AND WIRED UNDER THIS DIVISION. POWER TRANSFER HINGE, NIEC. DOOR RELEASE MOTION SENSOR, WALL OR CEILING MOUNTED ABOVE DOOR, UON. REMOTE ELECTRIC LOCK RELEASE BUTTON, MOUNTED AS NOTED ON PLANS. DURESS STATION, MOUNTED AS NOTED ON PLANS. AREA MOTION SENSOR, CEILING MOUNTED, UON. AREA MOTION SENSOR, WALL MOUNTED, +84" UON. GLASS BREAK DETECTOR, CEILING MOUNTED, UON. CARD READER CONTROLLER, WALL MOUNTED, +42" UON. KEY PAD CONTROLLER, WALL MOUNTED, +42" UON. REMOTE MOUNTED POWER SUPPLY FOR LOW-VOLTAGE EQUIPMENT CONNECTIONS. CCTV CAMERA, CEILING OR PENDANT MOUNTED AS NOTED ON PLANS. CCTV CAMERA, WALL MOUNTED. CCTV MONITOR. INTRUSION ALARM CONTROL PANEL DOOR ACCESS CONTROL PANEL				<table><tr><th>SHEET NO.</th><th>SHEET NAME</th><th></th></tr><tr><td>E0.01</td><td>SYMBOLS LIST AND SHEET INDEX</td><td>•</td></tr><tr><td>E0.02</td><td>SYMBOLS LIST</td><td>•</td></tr><tr><td>E0.03</td><td>PROJECT NOTES</td><td>•</td></tr><tr><td>E0.04</td><td>PANEL SCHEDULES AND POWER ONE LINE DIAGRAM</td><td>•</td></tr><tr><td>E0.05</td><td>SCHEDULES</td><td>•</td></tr><tr><td>E1.00</td><td>OVERALL SITE PLAN</td><td>•</td></tr><tr><td>E2.10</td><td>FIRST FLOOR - LIGHTING PLAN</td><td>•</td></tr><tr><td>E3.10</td><td>FIRST FLOOR - POWER PLAN</td><td>•</td></tr></table>				SHEET NO.	SHEET NAME		E0.01	SYMBOLS LIST AND SHEET INDEX	•	E0.02	SYMBOLS LIST	•	E0.03	PROJECT NOTES	•	E0.04	PANEL SCHEDULES AND POWER ONE LINE DIAGRAM	•	E0.05	SCHEDULES	•	E1.00	OVERALL SITE PLAN	•	E2.10	FIRST FLOOR - LIGHTING PLAN	•	E3.10	FIRST FLOOR - POWER PLAN	•
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REVISIONS				CITY OF SACRAMENTO OVER SACRAMENTO RIVER SYMBOLS LIST AND SHEET INDEX				E0.01																														
NO.	DESCRIPTION	DATE	BY																																			

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Location: ELECTRICAL ROOM...		Volts: 277/480		A.I.C. Rating:	
Supply From:		Phases: 3		Main Type: MCB	
Mounting: FREESTANDING		Wires: 4		Bus Rating: 600 A	
Enclosure:				Main Rating: 600 A	
##	Circuit Description	Load	Remarks		
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
		Total Load:	0 kVA		
		Total Amps:	0 A		
Panel Classification	Conn. Load	Demand Factor	Est. Demand	Panel Totals	
				Connected Load: 0 kVA	
				Connected Amps: 0 A	
				Est. Demand Load: 0 kVA	
				Est. Demand Amps: 0 A	
Notes:					

Location: ELECTRICAL ROOM 101			Served From			Phases 3			A.I.C. Rating:			Bus Rating 600 A		
Mounting: SURFACE			Volts: 277/480			Wires 4			Main Type: MCB			Main Rating: 600 A		
LC	Load Served	Amp	P	#	A (kVA)	B (kVA)	C (kVA)	#	P	Amp	Load Served	LC		
				1				2						
				3				4						
				5				6						
				7				8						
				9				10						
				11				12						
				13				14						
				15				16						
				17				18						
				19				20						
				21				22						
				23				24						
				25				26						
				27				28						
				29				30						
				31				32						
				33				34						
				35				36						
				37				38						
				39				40						
				41				42						
				Connected Load:	0 kVA	0 kVA	0 kVA							
				Feed-Thru Load:	0 kVA	0 kVA	0 kVA							
				Total Amps:	0 A	0 A	0 A							
Load Classification	Conn. Load	Demand Factor	Code Demand	Panel Totals										
				Connected Load: 0.00 kVA										
				Connected Amps: 0 A										
				Code Demand Load: 0 kVA										
				Code Demand Amps: 0 A										
Notes:														

Location: ELECTRICAL ROOM 101				Served From		Phases 3		A.I.C. Rating:		Bus Rating		100 A
Mounting: SURFACE				Volts: 277/480		Wires 4		Main Type:		Main Rating:		NA
LC	Load Served	Amp	P	#	A (kVA)	B (kVA)	C (kVA)	#	P	Amp	Load Served	LC
				1				2				
				3				4				
				5				6				
				7				8				
				9				10				
				11				12				
				13				14				
				15				16				
				17				18				
				19				20				
				21				22				
				23				24				
				25				26				
				27				28				
				29				30				
				31				32				
				33				34				
				35				36				
				37				38				
				39				40				
				41				42				
Connected Load:					0 kVA	0 kVA	0 kVA					
Feed-Thru Load:					0 kVA	0 kVA	0 kVA					
Total Amps:					0 A	0 A	0 A					
Load Classification					Conn. Load	Demand Factor	Code Demand	Panel Totals				
								Connected Load: 0.00 kVA				
								Connected Amps: 0 A				
								Code Demand Load: 0 kVA				
								Code Demand Amps: 0 A				

Notes:

Location: ELECTRICAL ROOM 101			Served From			Phases 3			A.I.C. Rating:			Bus Rating 200 A		
Mounting: SURFACE			Volts: 120/208			Wires 4			Main Type: MLO			Main Rating: NA		
LC	Load Served	Amp	P	#	A (kVA)	B (kVA)	C (kVA)	#	P	Amp	Load Served	LC		
				1				2						
				3				4						
				5				6						
				7				8						
				9				10						
				11				12						
				13				14						
				15				16						
				17				18						
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				27				28						
				29				30						
				31				32						
				33				34						
				35				36						
				37				38						
				39				40						
				41				42						
Connected Load:					0 kVA	0 kVA	0 kVA							
Feed-Thru Load:					0 kVA	0 kVA	0 kVA							
Total Amps:					0 A	0 A	0 A							
Load Classification				Conn. Load	Demand Factor	Code Demand	Panel Totals							
							Connected Load: 0.00 kVA							
							Connected Amps: 0 A							
							Code Demand Load: 0 kVA							
							Code Demand Amps: 0 A							
Notes:														

1	SMUD PAD MOUNTED TRANSFORMER, UTX. PROVIDE CONCRETE PAD, BLOCK OUTS, GROUNDING, ETC. PER SMUD STANDARDS.
2	PROVIDE CONDUIT (NUMBER AND SIZE AS INDICATED) FOR UTILITY SERVICE CABLES. CABLES FURNISHED, INSTALLED, AND CONNECTED BY UTILITY COMPANY.
3	PROVIDE 100% RATED MAIN CIRCUIT BREAKER.
4	EQUIPMENT TO BE PROVIDED AS PART OF BRIDGE PACKAGE. REFER TO STREET BRIDGE REPLACEMENT DRAWINGS.
5	STUB CONDUIT OUT OF BUILDING. CONDUIT TO BE EXTENDED BY BRIDGE CONTRACTOR AS SHOWN ON ### DRAWINGS, WIRE BY BRIDGE CONTRACTOR.

<u>FEEDER SCHEDULE GENERAL NOTES</u>			<u>FEEDER SCHEDULE REMARKS</u>				
1. COPPER FEEDER SIZES SHOWN IN THIS SCHEDULE ARE BASED ON CONDUCTORS WITH THHN/THWN-2 INSULATION IN EMT CONDUIT. 2. ALUMINUM FEEDER SIZES SHOWN IN THIS SCHEDULE ARE BASED ON CONDUCTORS WITH XHHW-2 INSULATION IN EMT CONDUIT. 3. FEEDER SIZES SHOWN IN THIS SCHEDULE ARE BASED ON AN AMBIENT TEMPERATURE OF 30 DEGREES C (86 DEGREE F). 4. FEEDERS CONSISTING OF MULTIPLE SETS OF CONDUCTORS AND CONDUITS ARE TO BE PROVIDED WITH THE INDICATED SIZE GROUND CONDUCTOR IN EACH CONDUIT. 5. PER NEC ARTICLE 110.14, ALL FEEDERS SIZED AT #2 AWG OR LESS ARE CALCULATED PER 60 DEGREE TABLE. FEEDERS GREATER THAN #2 AWG ARE RATED 75 DEGREE. 90 DEGREE COLUMN IS USED WHEN APPLYING DERATING FACTORS.							
<u>FEEDER SCHEDULE REMARKS</u> A. OVERSIZED 150% NEUTRAL, SUITABLE FOR SERVICE FROM K-13 RATED TRANSFORMERS. B. FEEDER APPROVED FOR USE WITH SEPARATELY DERIVED SYSTEM; GROUNDING AS REQUIRED BY NEC ARTICLES 240 AND 250. C. FEEDER GROUND AND BONDING JUMPER SHALL HAVE AN AREA NOT LESS THAN 12.5% OF THE AREA OF THE LARGEST PHASE CONDUCTOR. D. INCREASE CONDUIT TO THE NEXT LARGER TRADE SIZE WHEN USING SCHEDULE 40 OR 80 PVC CONDUIT. E. PER NEC SECTION 240.4(B), FOR OVERCURRENT DEVICES RATED 800A OR LESS, THE NEXT HIGHER STANDARD OVERCURRENT DEVICE RATING (ABOVE THE AMPCACITY OF THE CONDUCTORS) CAN BE USED. RULE CAN NOT BE APPLIED IF 100% RATED BREAKERS ARE USED. F. PER NEC 240.21(C), THE PROVISIONS OF 240.4(B) SHALL NOT BE PERMITTED FOR TRANSFORMER SECONDARY CONDUCTORS.							
FEEDER TAG	FEEDER DESCRIPTION	CONDUIT	FEEDER CONDUCTORS		SEPARATELY DERIVED SYSTEM		REMARKS
			PHASE/NEUTRAL	GROUND	GROUNDING ELECTRODE	SYSTEM BONDING JUMPER	
202	20 AMP, 2 WIRE	1-0.75"	2 #12 CU	1 #12 CU	-	-	-
203	20 AMP, 3 WIRE	1-0.75"	3 #12 CU	1 #12 CU	-	-	-
403	40 AMP, 3 WIRE	1-0.75"	3 #8 CU	1 #10 CU	-	-	-
1253	130 AMP, 3 WIRE	1-1.25"	3 #1 CU	1 #6 CU	-	-	-
2004	200 AMP, 4 WIRE	1-2.00"	4 #3/0 CU	1 #6 CU	-	-	-
2504	255 AMP, 4 WIRE	1-2.50"	4 #250 KCMIL CU	1 #4 CU	-	-	-
6004	620 AMP, 4 WIRE	2-3.00"	2 SETS OF 4 #350 KCMIL CU	1 #1 CU/SET	-	-	-



24139
SHEET
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Dreyfuss+
Blackford
architecture

SCALE
AS
SHOWN

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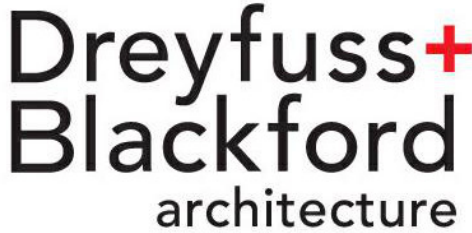
CITY OF SACRAMENTO
OVER SACRAMENTO RIVER
PANEL SCHEDULES AND POWER ONE LINE DIAGRAM

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MECHANICAL EQUIPMENT COORDINATION SCHEDULE																					
GENERAL NOTES:																					
A. REFER TO FEEDER SCHEDULE FOR CONDUCTOR AND CONDUIT REQUIREMENTS.																					
B. WHERE FEEDERS ARE INSTALLED IN AMBIENT TEMPERATURES ABOVE 30 DEGREES C (86 DEGREES F) APPLY CORRECTION FACTORS PER CEC 310.15(B)(2).																					
C. CONTRACTOR SHALL FIELD VERIFY NAMEPLATE MCA AND MOCP RATINGS OF SUBMITTED/INSTALLED EQUIPMENT AND REPORT DISCREPANCIES TO THE ENGINEER.																					
D. CONTRACTOR INSTALLED FUSES SHALL BE COORDINATED WITH THE EQUIPMENT NAMEPLATE AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.																					
E. GROUND CONDUCTORS FOR THESE FEEDERS SHALL BE SIZED BASED ON THE OVERCURRENT DEVICE RATING (PER CEC 250.122) AND WILL BE INSTALLED IN PLACE OF THE GROUND CONDUCTOR IDENTIFIED IN THE FEEDER SCHEDULE.																					
DISCONNECT TYPES: SM = MOTOR RATED SWITCH, F = FUSED, NF = NON-FUSED																					
REMARKS:																					
1. POWERED THROUGH OUTDOOR UNIT. REFER TO MANUFACTURER'S WIRING INSTRUCTIONS.																					
2. FEEDER HAS BEEN UPSIZED TO ACCOUNT FOR VOLTAGE DROP.																					
EQUIP TAG	DESCRIPTION	ELECTRICAL DATA						DISCONNECT				STARTER			VFD		PANEL - CKT NUMBER	FEEDER SIZE	GROUND CONDUCTOR (NOTE E)	REMARKS	
		VOLTAGE	PH	MOCP	MCA	FLA	HP	KVA	RATING	TYPE	FUSE	DIVISION (FURN/INST)	NEMA SIZE	COMBO DISC	DIVISION (FURN/INST)	COMBO DISC					DIVISION (FURN/INST)
CEF-1	CEILING EXHAUST FAN	120 V	1	0 A	0 A	0 A		0.01 KVA	-	SM	-	-	-	-	-	-	-	202	1 #14 CU		
IWH-1	INSTANTANEOUS WATER HEATER	208 V	1	0 A	0 A	0 A		6.24 KVA	-	SM	-	-	-	-	-	-	-	-	203	1 #14 CU	
SAC-1	SPLIT SYSTEM INDOOR UNIT	208 V	1	0 A	0 A	0 A		0 KVA	-	SM	-	-	-	-	-	-	-	-	-	1 #14 CU	
SAC-2	SPLIT SYSTEM INDOOR UNIT	208 V	1	0 A	0 A	0 A		0 KVA	-	SM	-	-	-	-	-	-	-	-	-	1 #14 CU	
SAC-3	SPLIT SYSTEM INDOOR UNIT	208 V	1	0 A	0 A	0 A		0 KVA	-	SM	-	-	-	-	-	-	-	-	-	1 #14 CU	
SCU-1	SPLIT SYSTEM OUTDOOR UNIT	208 V	1	70 A	34 A	27.2 A		5.66 KVA	100 A	NF	-	-	-	-	-	-	-	-	403	1 #8 CU	
SCU-2	SPLIT SYSTEM OUTDOOR UNIT	208 V	1	70 A	34 A	27.2 A		5.66 KVA	100 A	NF	-	-	-	-	-	-	-	-	403	1 #8 CU	
SCU-3	SPLIT SYSTEM OUTDOOR UNIT	208 V	1	50 A	22 A	17.6 A		3.66 KVA	60 A	NF	-	-	-	-	-	-	-	-	303	1 #10 CU	

LUMINAIRE SCHEDULE									
LUMINAIRE SCHEDULE NOTES:									
REFER TO SPECIFICATION "265000 LIGHTING" FOR DETAILS ON TIER REQUIREMENTS. IN ABSENCE OF SPECIFICATION SECTION, REFER TO THE FOLLOWING TIER DEFINITIONS:									
TIER 1 (LEGACY CRI 90): FOR APPLICATIONS WHERE COLOR FIDELITY IS CRITICAL, SUCH AS MUSEUMS, GALLERIES, HIGH-END RESIDENTIAL, ETC. R9 VALUE; MINIMUM 80. TM30 VALUES; Rf>85, 95<Rg<105.									
TIER 2 (LEGACY CRI 80): FOR APPLICATIONS WHERE COLOR FIDELITY IS IMPORTANT, SUCH AS OFFICES, SCHOOLS, GENERAL INTERIOR AREAS, ETC. R9 VALUE; MINIMUM 30. TM30 VALUES; Rf >75, 92<Rg<110.									
TIER 3 (LEGACY CRI 70): FOR APPLICATIONS WHERE COLOR FIDELITY IS NOT CRITICAL, SUCH AS EXTERIOR PARKING AND AREA LIGHTING, WAREHOUSES, ETC. R9 VALUE; MINIMUM 20. TM30 VALUES; Rf >70, 80<Rg<120.									
TYPE	MANUFACTURER CATALOG NUMBER	DESCRIPTION	LIGHT SOURCE	TIER	DRIVER, TRANSFORMER	WATTAGE	VOLTAGE	DETAIL	
F1		3" RECESSED DOWNLIGHT.				0 W	277 V		
F2		WALL MOUNTED LINEAR LUMINAIRE.				0 W	277 V		
F3		PENDANT MOUNTED LINEAR LUMINAIRE WITH DIRECT/INDIRECT DISTRIBUTION.				4 W / FT	277 V		
F3A		SURFACE MOUNTED LINEAR LUMINAIRE WITH DIRECT/INDIRECT DISTRIBUTION.				4 W / FT	277 V		
SF1		EXTERIOR RECESSED DOWNLIGHT WITH WET LISTING RATING.				0 W	277 V		
SF2		EXTERIOR WALL MOUNTED AREA LUMINAIRE.				0 W	277 V		

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	DD SET		09/30/25



FIELD BOOK
SCALE AS SHOWN

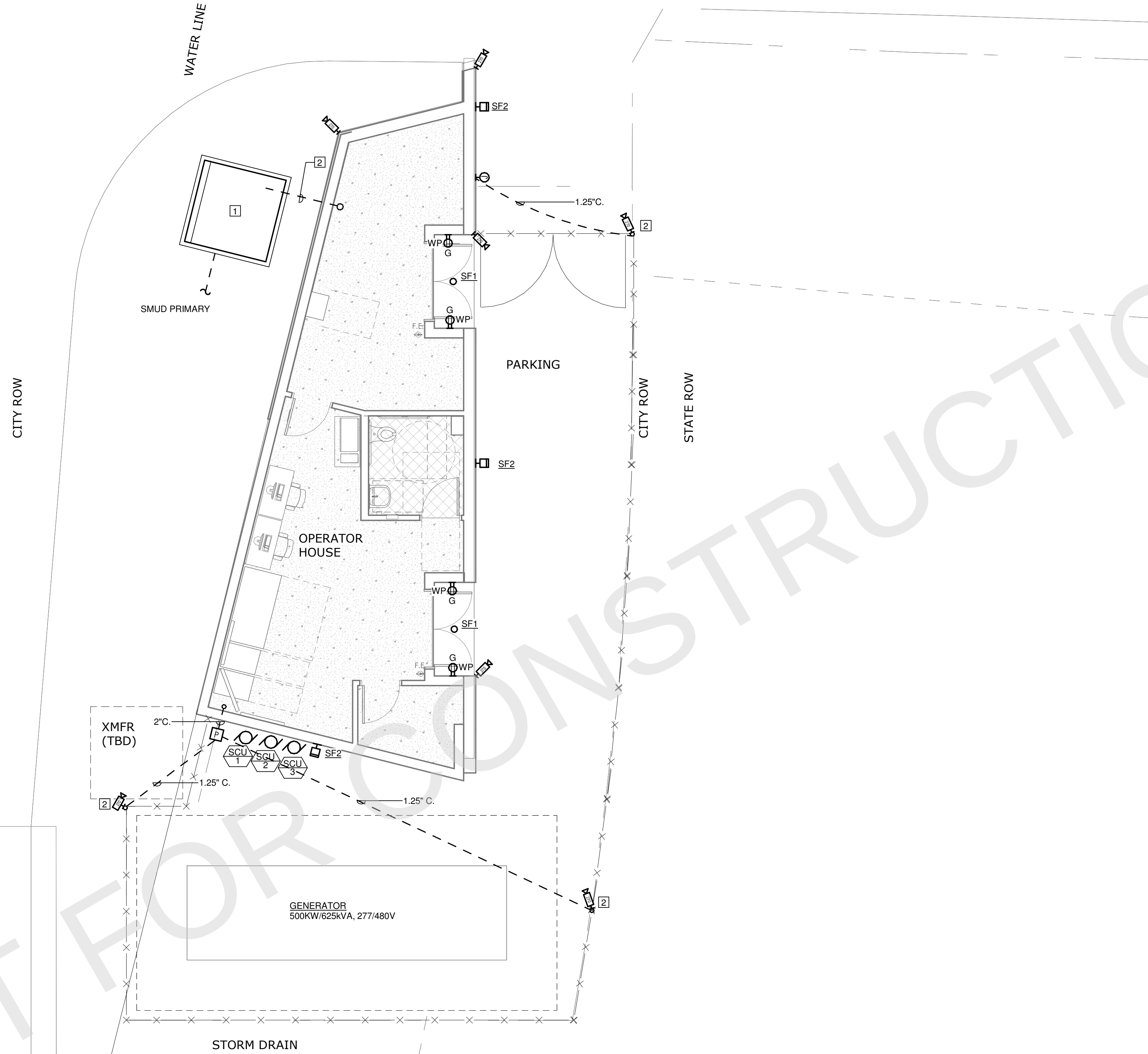
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CITY OF SACRAMENTO
OVER SACRAMENTO RIVER
SCHEDULES

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GENERAL SHEET NOTES

A. ALL EXTERIOR MOUNTED LUMINAIRES TO BE CORRECTIONAL GRADE AND VANDAL RESISTANT.

NUMBERED SHEET NOTES

- 1 PROVIDE 84" X 84" CONCRETE PAD FOR SMUD UTILITY TRANSFORMER PER ELECTRICAL SERVICE REQUIREMENTS. TRANSFORMER TO HAVE 8' FRONT CLEARANCE AND 3' SIDE CLEARANCE PER SMUD STANDARDS.
- 2 POLE MOUNTED CAMERAS TO BE COORDINATED WITH FENCE CONTRACTOR. MOUNT CAMERAS AT 15' AFF.
- 3 REFER TO POWER ONE LINE DIAGRAM FOR FEEDER AND CONDUIT SIZES.

1 ELECTRICAL SITE PLAN

SCALE: 3/16" = 1'-0"



E1.00

REVISIONS			
NO.	DESCRIPTION	DATE	BY

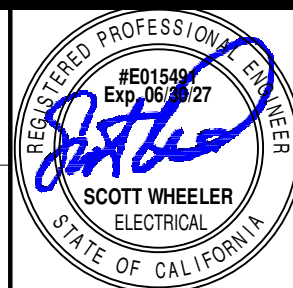
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architecture

FIELD BOOK
SCALE
AS
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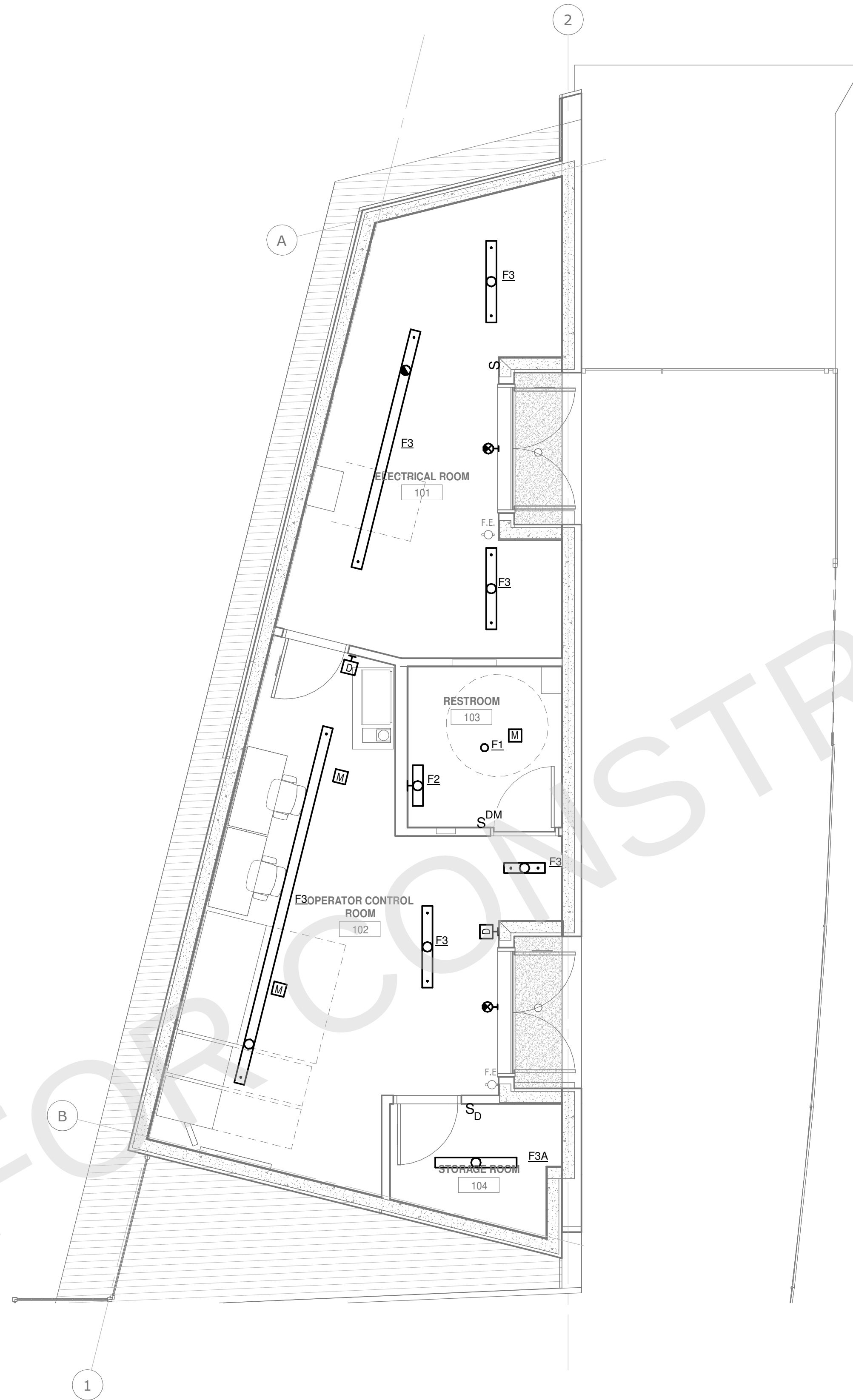
CITY OF SACRAMENTO
OVER SACRAMENTO RIVER
OVERALL SITE PLAN

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1 FIRST FLOOR LIGHTING PLAN
SCALE: 1/4" = 1'-0"



NORTH

E2.10

REVISIONS			
NO.	DESCRIPTION	DATE	BY

Dreyfuss+
Blackford
architecture

FIELD BOOK
SCALE AS SHOWN

DRAWN BY:
DATE

DESIGNED BY:
R.C.E. DATE

CHECKED BY:
R.C.E. DATE



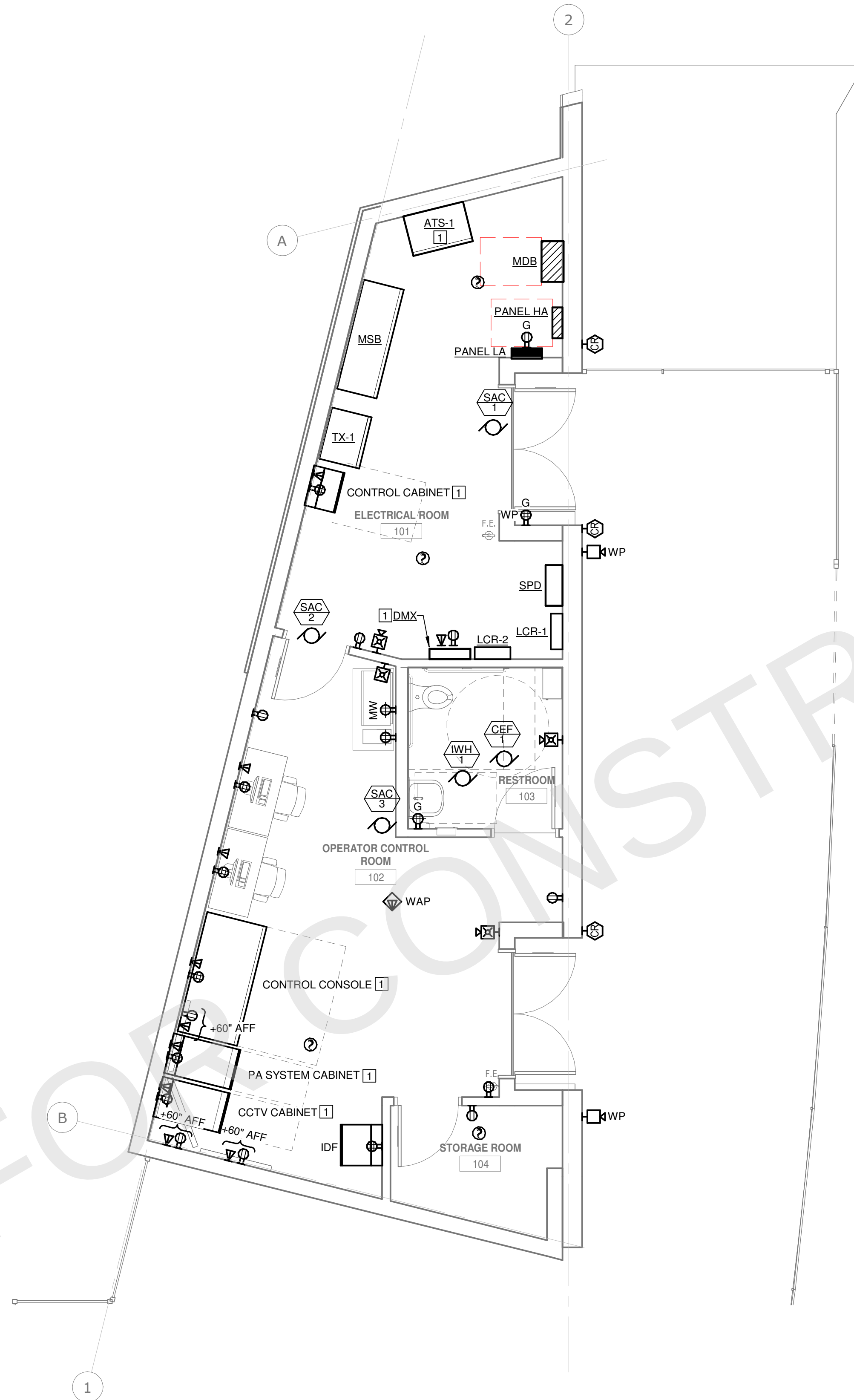
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CITY OF SACRAMENTO
OVER SACRAMENTO RIVER
FIRST FLOOR - LIGHTING PLAN

24139
SHEET
— OF —

Autodesk Docs//24139 - 1 Street Bridge Op House/Elec_1 St Bridge Op House.rvt

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NUMBERED SHEET NOTES	
1	EQUIPMENT TO BE PROVIDED AS PART OF BRIDGE PACKAGE. REFER TO I STREET BRIDGE REPLACEMENT DRAWINGS.

1 FIRST FLOOR POWER AND SIGNAL PLAN
SCALE: 1/4" = 1'-0"



NORTH

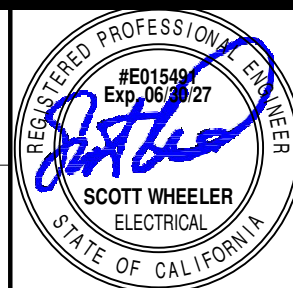
E3.10

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CITY OF SACRAMENTO
OVER SACRAMENTO RIVER
FIRST FLOOR - POWER PLAN

24139
— OF —
SHEET